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April 1, 2009

Docket Control  
Arizona Corporation Commission  
1200 West Washington  
Phoenix, Arizona 85007

RE: Docket No. E-00000H-09-0113  
Arizona Public Service Company's Resource Planning  
Annual Filing for Historical Year 2008

Enclosed, please find an original and thirteen copies of the redacted version of Arizona Public Service's Resource Planning Information for the Historical Year 2008, in accordance with A.A.C. R14-2-703, and ACC Decision Nos. 58643, 60385 and 70313. The competitively confidential portion of this filing will be provided to Staff upon the execution of a Protective Agreement.

If you have any questions about the attached information, please call Jeff Johnson at 602-250-2661.

Sincerely,

*Leland Snook /sc*

Leland R. Snook

Attachment

CC: Terri Ford  
Barbara Keene  
Brian Bozzo

Arizona Corporation Commission  
**DOCKETED**

APR -1 2009

DOCKETED BY	NR
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AZ CORP COMMISSION  
DOCKET CONTROL

2009 APR -1 P 2:28

RECEIVED

***Arizona Public Service Company***

**RESOURCE PLANNING INFORMATION**

**FOR THE HISTORICAL YEAR 2008**

**In Compliance with**

**Arizona Administrative Code R14-2-703**

**and ACC Decision Nos. 58643, 60385, and 70313**

***April 2009 Filing***

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**ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
FOR HISTORICAL YEAR 2008**

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<b><u>A.A.C. Regulation R14-2-703, Sections A &amp; B</u></b>	<b><u>Location</u></b>
<b>A.1</b> Hourly demand for the previous calendar year disaggregated by: a. sales to end users, b. sales for resale, c. energy losses, d. other disposition of energy such as energy furnished without charge and energy used by the utility.	Tab I
<b>A.2</b> This section has been temporarily suspended pursuant to Docket No. E-00000A-95-0506 & Decision No. 60385	Tab II
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<b>B.1</b> For each generating unit and purchased power contract for the previous calendar year:  a. in-service date, b. book life or contract period, c. capacity in megawatts (utility share), d. maximum unit or contract capacity by hour, day, or month, if such capacity varies over the year, e. forced outage rate (generating units only), f. average heat rate of generating units and, if available, heat rates at selected output levels, g. fuel cost for generating units in dollars per million Btu for each type of fuel, h. other variable operating and maintenance costs for generating units in dollars per megawatt hour, i. purchased power energy costs for contract purchases in dollars per megawatt hour,	Tab V

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<b>A.A.C. Regulation R14-2-703, Sections A &amp; B</b>	<b>Location</b>
<b>B.1 (cont.)</b>	
j. fixed operating and maintenance costs of generating units in dollars per megawatt for the year,	
k. demand charges for purchased power,	
l. fuel type(s) for generating units,	
m. minimum capacity at which the unit would be run or power must be purchased,	
n. whether, under standard operating procedures, the generating unit must be run if it is available to run,	
o. maintenance schedules for generating units,	
p. other data related to generation units and purchased power contracts which the utility uses in its production, planning, and supply models.	
<b>B.2 For the power supply system for the previous calendar year</b>	<b>Tab VI</b>
a. a description of unit commitment procedures,	
b. production cost,	
c. reserve requirements,	
d. spinning reserve,	
e. reliability of generating, transmission, and distribution systems,	
f. interchange purchase and sale prices,	
g. energy losses.	
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<b>B.4 As available, a description and map of the utility's transmission system, including the capacity of each segment of the transmission system segment of the transmission system.</b>	<b>Tab VIII</b>
<b><u>Other Compliance Requirements</u></b>	
<b>2004 Renewable Resources Inventory pursuant to ACC Docket No. U-0000-93-052, Decision No. 58643, dated June 1, 1994, pages 78 &amp; 79.<sup>1</sup></b>	<b>Tab IX</b>

<sup>1</sup> This information is no longer required pursuant to Commission Decision No. 70313 dated April 28, 2008.

# Tab I

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**ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
FOR HISTORICAL YEAR 2008**

**Tab I**

**R14-2-703 Sections A.1.a**

Hourly demand for the previous calendar year is on the following pages and contains Retail Load only.

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6/6/2008	2666.6	2652.2	2422.2	2376.0	2393.1	2456.9	2563.3	2785.1	2970.3	3144.8	3370.4	3561.5	3752.4	3925.1	4091.1	4270.4	4351.2	4327.3	4216.8	4075.6	3986.6	3635.6	3375.2	3079.0
6/7/2008	2841.5	2671.3	2559.2	2472.8	2436.8	2382.5	2401.3	2620.3	2839.1	3232.7	3526.4	3742.0	3966.4	4135.6	4299.9	4461.8	4524.9	4522.1	4346.8	4126.8	4029.8	3802.7	3590.3	3271.1
6/8/2008	2891.3	2768.4	2658.2	2582.6	2578.5	2520.2	2436.3	2632.6	2843.6	3497.3	3741.5	3952.4	4135.2	4347.8	4488.1	4619.2	4608.1	4512.3	4287.8	4068.8	3916.8	3691.6	3391.8	3121.9
6/9/2008	2951.3	2786.7	2662.7	2740.1	2684.7	2601.7	2756.2	3071.4	3350.5	3544.7	3830.5	4140.8	4436.0	4688.3	4892.8	5035.5	5142.3	5120.3	4876.6	4642.8	4466.6	4163.0	3866.3	3521.9
6/10/2008	3096.1	2897.7	2662.7	2740.1	2684.7	2601.7	2756.2	3071.4	3350.5	3544.7	3830.5	4140.8	4436.0	4688.3	4892.8	5035.5	5142.3	5120.3	4876.6	4642.8	4466.6	4163.0	3866.3	3521.9
6/11/2008	3343.8	3116.6	2854.9	2951.1	2854.9	2786.5	2932.8	3214.4	3462.8	3628.4	3908.3	4205.8	4506.6	4749.9	4980.6	5137.9	5217.5	5217.5	4977.0	4733.6	4589.2	4300.3	4011.2	3606.7
6/12/2008	3643.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/13/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/14/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/15/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/16/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/17/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/18/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/19/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/20/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/21/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/22/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/23/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/24/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/25/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/26/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/27/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/28/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/29/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
6/30/2008	3672.8	3434.8	3167.6	3285.4	3265.0	2782.1	2762.9	3014.5	3248.3	3458.9	3703.1	4005.3	4297.8	4582.4	4855.5	5089.5	5176.4	5176.4	4927.6	4735.9	4589.2	4303.1	4024.2	3642.7
7/1/2008	3916.8	3708.2	3561.0	3455.0	3439.8	3457.5	3578.4	3927.3	4315.0	4697.8	5024.8	5369.8	5694.0	5987.1	6140.7	6140.7	6140.7	6140.7	5987.1	5769.8	5438.9	5097.0	4702.4	4271.8
7/2/2008	3928.0	3578.8	3421.2	3306.6	3295.3	3314.2	3426.4	3755.7	4087.9	4419.8	4736.4	5067.0	5345.3	5691.4	5782.8	5898.9	5846.0	5808.6	5634.1	5372.8	5049.6	4679.4	4284.0	3894.4
7/3/2008	3932.8	3771.9	3623.0	3421.1	3433.8	3500.1	3627.2	3937.7	4232.7	4501.4	4817.7	5091.3	5268.4	5464.1	5624.9	5700.4	5707.1	5683.4	5476.8	5141.8	4754.6	4373.6	4015.2	3694.4
7/4/2008	3968.4	3779.9	3631.6	3523.4	3441.1	3361.8	3423.8	3678.5	4024.9	4357.2	4617.0	4850.7	5031.5	5178.5	5287.6	5393.5	5447.6	5388.3	5168.1	4846.4	4496.4	4119.5	3761.4	3414.1
7/5/2008	3814.1	3431.5	3283.8	3180.2	3116.9	3064.2	3036.6	3302.6	3678.7	4055.7	4420.6	4727.2	4983.4	5240.9	5498.4	5690.9	5736.1	5703.0	5523.7	5286.2	4975.6	4582.3	4176.1	3804.5
7/6/2008	3847.5	3637.9	3451.3	3360.4	3300.3	3254.9	3165.8	3186.8	3457.1	3830.2	4198.9	4584.0	4928.9	5234.0	5494.9	5690.9	5736.1	5703.0	5523.7	5286.2	4975.6	4582.3	4176.1	3804.5
7/7/2008	3859.9	3643.2	3459.9	3364.2	3304.7	3259.1	3170.8	3185.7	3457.1	3830.2	4198.9	4584.0	4928.9	5234.0	5494.9	5690.9	5736.1	5703.0	5523.7	5286.2	4975.6	4582.3	4176.1	3804.5
7/8/2008	3680.2	3499.9	3301.8	3232.5	3169.8	3124.5	3036.9	3049.7	3276.3	3618.0	4013.2	4353.0	4613.2	4873.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/9/2008	3886.8	3695.9	3596.3	3432.9	3361.8	3312.6	3220.2	3061.8	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/10/2008	3977.8	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/11/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/12/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/13/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/14/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/15/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/16/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/17/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/18/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	3184.1
7/19/2008	3980.2	3764.4	3639.9	3496.1	3421.6	3368.4	3278.4	3168.4	3272.8	3571.2	3909.0	4249.9	4583.3	4848.4	5095.9	5290.9	5340.4	5282.9	5048.4	4754.7	4362.5	3952.1	3547.9	

Arizona Public Service  
2009 Resource Planning

11/11/2008	2338.5	2288.8	2285.9	2280.1	2316.8	2463.8	2589.9	2632.9	2657.9	2645.1	2649.6	2638.6	2618.4	2616.2	2598.3	2585.9	2606.5	2775.1	2860.8	2820.3	2839.0	2728.5	2651.9	2685.5
11/12/2008	2335.3	2271.0	2246.8	2245.7	2332.6	2522.7	2747.4	2795.6	2758.9	2643.3	2620.7	2620.7	2617.8	2617.8	2623.7	2625.5	2637.0	2798.5	2859.3	2812.4	2836.2	2728.5	2651.9	2685.5
11/13/2008	2289.6	2222.0	2193.4	2185.5	2287.5	2429.9	2694.1	2743.7	2726.2	2603.0	2598.9	2581.1	2601.1	2601.1	2612.4	2625.1	2629.1	2759.9	2900.2	2879.6	2796.6	2678.2	2604.1	2634.6
11/14/2008	2280.9	2214.7	2175.7	2172.9	2242.1	2420.8	2647.6	2666.8	2661.1	2604.8	2611.8	2614.5	2614.8	2608.7	2617.3	2635.8	2629.5	2773.5	2945.7	2885.5	2760.5	2698.4	2643.4	2686.0
11/15/2008	2324.1	2238.7	2198.0	2175.9	2189.4	2288.6	2367.0	2362.3	2442.3	2587.9	2590.3	2590.3	2600.0	2615.8	2614.9	2646.5	2652.8	2755.4	2882.3	2800.4	2717.7	2681.8	2640.0	2690.0
11/16/2008	2292.5	2228.9	2228.9	2164.9	2217.1	2244.0	2270.1	2270.1	2351.1	2421.2	2492.6	2515.6	2538.0	2559.7	2600.7	2625.6	2684.1	2698.8	2907.8	2908.4	2809.7	2658.5	2464.1	2680.3
11/17/2008	2224.2	2167.9	2149.7	2168.0	2217.7	2423.6	2699.3	2699.3	2686.7	2632.1	2681.1	2691.3	2757.9	2766.9	2800.3	2844.8	2948.9	2965.2	3074.3	3012.5	2907.0	2765.4	2540.1	2643.0
11/18/2008	2284.4	2242.3	2198.6	2195.5	2280.8	2448.8	2674.3	2674.3	2668.4	2634.6	2681.3	2691.3	2719.8	2719.8	2698.7	2902.2	2904.8	3013.5	3090.2	2912.2	2789.3	2556.8	2361.8	2648.5
11/19/2008	2285.2	2235.3	2188.5	2185.2	2283.8	2439.3	2672.8	2718.7	2682.8	2448.2	2671.0	2681.8	2697.3	2734.9	2763.8	2946.6	2965.5	3049.8	3280.2	2897.2	2751.5	2641.7	2348.5	2648.5
11/20/2008	2305.2	2283.0	2225.3	2188.2	2280.5	2446.4	2673.0	2733.2	2690.1	2644.8	2658.9	2685.8	2697.3	2697.3	2659.8	2937.3	2968.4	3084.4	3268.4	2878.9	2735.9	2663.8	2505.5	2646.3
11/21/2008	2294.5	2245.9	2189.4	2186.2	2289.4	2468.0	2689.2	2738.2	2691.3	2656.0	2647.2	2652.5	2684.8	2684.8	2664.8	2951.8	2982.4	3078.1	3275.2	2768.1	2708.0	2455.4	2330.4	2648.5
11/22/2008	2288.6	2226.5	2188.4	2185.4	2286.6	2457.7	2687.7	2738.0	2738.0	2432.5	2453.8	2469.8	2469.0	2469.0	2432.5	2697.5	2969.2	3074.3	3275.2	2768.1	2708.0	2455.4	2330.4	2648.5
11/23/2008	2271.8	2210.2	2181.1	2156.9	2287.7	2427.6	2717.5	2761.9	2728.7	2701.1	2732.4	2763.8	2763.8	2692.3	2763.8	2947.8	2969.3	3074.3	3275.2	2768.1	2708.0	2455.4	2330.4	2648.5
11/24/2008	2259.4	2208.4	2163.6	2165.6	2286.3	2427.6	2717.5	2761.9	2728.7	2701.1	2732.4	2763.8	2763.8	2692.3	2763.8	2947.8	2969.3	3074.3	3275.2	2768.1	2708.0	2455.4	2330.4	2648.5
11/25/2008	2313.1	2287.1	2242.1	2223.5	2290.4	2425.4	2625.0	2748.0	2761.9	2728.7	2701.1	2732.4	2763.8	2763.8	2692.3	2763.8	2947.8	2969.3	3074.3	3275.2	2768.1	2708.0	2455.4	2330.4
11/26/2008	2283.3	2263.5	2208.8	2148.5	2216.8	2298.5	2331.3	2378.6	2654.3	2654.3	2733.3	2735.6	2696.6	2696.6	2436.2	2436.2	2412.7	2442.2	2684.0	2779.7	2732.4	2686.8	2482.7	2682.7
11/27/2008	2150.9	2208.4	2193.0	2201.3	2201.3	2503.5	2604.7	2603.9	2683.4	2717.8	2717.8	2730.0	2690.2	2690.2	2657.9	2657.9	2676.0	2788.7	2887.7	3103.4	3115.1	3042.1	2852.4	2867.9
11/28/2008	2281.9	2235.0	2182.4	2184.2	2303.5	2326.9	2628.1	2628.1	2674.7	2690.7	2690.7	2748.2	2693.7	2693.7	2623.3	2623.3	2696.2	2774.3	2909.8	2887.7	3103.4	3115.1	3042.1	2852.4
11/29/2008	2287.7	2235.0	2182.4	2184.2	2303.5	2326.9	2628.1	2628.1	2674.7	2690.7	2690.7	2748.2	2693.7	2693.7	2623.3	2623.3	2696.2	2774.3	2909.8	2887.7	3103.4	3115.1	3042.1	2852.4
11/30/2008	2287.7	2235.0	2182.4	2184.2	2303.5	2326.9	2628.1	2628.1	2674.7	2690.7	2690.7	2748.2	2693.7	2693.7	2623.3	2623.3	2696.2	2774.3	2909.8	2887.7	3103.4	3115.1	3042.1	2852.4
12/01/2008	2287.7	2235.0	2182.4	2184.2	2303.5	2326.9	2628.1	2628.1	2674.7	2690.7	2690.7	2748.2	2693.7	2693.7	2623.3	2623.3	2696.2	2774.3	2909.8	2887.7	3103.4	3115.1	3042.1	2852.4
12/02/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/03/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/04/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/05/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/06/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/07/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/08/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/09/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/10/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/11/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/12/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/13/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/14/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/15/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/16/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/17/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/18/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/19/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/20/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/21/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/22/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/23/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1
12/24/2008	2312.5	2289.4	2220.0	2230.1	2312.5	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1	2359.1</						

ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
FOR HISTORICAL YEAR 2008

Tab I

R14-2-703 Section: A.1.b

Hourly demand for the previous calendar year is not available. Monthly megawatt-hours (MWh) are listed below.

SALES FOR RESALE  
2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ENERGY (MWH)	39844	48456	65696	76470	72604	96560	105710	47576	37596	37583	3423	10253

ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
FOR HISTORICAL YEAR 2008

Tab I

R14-2-703 Section: A.1.c

Hourly demand for the previous calendar year is not available. Monthly MWh are listed below.

		ENERGY LOSSES											
		2008											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ENERGY (MWH)		87563	-84231	125495	102203	250722	734038	496728	462988	34980	-211104	-229313	108128

Losses = [Total Purchases and Generation] less [Net Economy Interchange and Banking] less [Company Sales and Company Use].  
Energy losses shown are exclusive of APS unregulated activities. Historical information provided for the years 2001-2005 included these activities and would have had the effect of understating losses.

ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
FOR HISTORICAL YEAR 2008

Tab I

R14-2-703 Section: A.1.d

Hourly demand for the previous calendar year is not available. Monthly MWh are listed below.

	COMPANY USE											
	2008											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ENERGY (MWH)	5037	5060	4992	5300	4661	5495	5446	6951	6125	5505	5126	5150

# Tab II

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**ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
FOR HISTORICAL YEAR 2008**

**Tab II**

**R14-2-703 Section A.2**

This section has been temporarily suspended pursuant to Docket No. E-00000A-95-0506,  
Decision No. 60385.

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# Tab III

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**ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
FOR HISTORICAL YEAR 2008**

**Tab III**

**R14-2-703 Section A.3**

Coincident peak demand (megawatts) and energy demand (megawatt hours) by month for twelve months ending December 2008 is attached.

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Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Total Residential \*\*\*



	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
--	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

<b>SUMMATION IND MAX (MW)</b>	5,543.1	5,375.6	5,197.3	5,165.0	5,801.9	6,719.6	6,818.7	6,691.2	6,271.3	5,557.0	5,169.1	5,736.0
	Non-Timed											
<b>On-Peak</b>	4,502.1	4,283.2	4,067.2	4,264.5	5,110.9	5,978.1	6,230.2	5,887.4	5,417.4	4,921.0	4,023.7	4,606.9
<b>Off-Peak</b>	5,285.3	5,184.6	5,030.3	4,864.4	5,214.3	6,392.9	6,353.9	6,373.1	5,988.0	5,055.3	4,917.9	5,540.1

<b>CLASS PEAK (MW)</b>	1,743.5	1,823.8	1,410.2	1,813.7	3,006.5	3,616.4	3,627.2	3,726.0	3,091.5	2,607.3	1,537.3	1,921.3
	On-Peak Weighted											
<b>Off-Peak Weighted</b>	2,077.4	2,153.0	1,597.3	1,845.9	2,770.5	3,781.1	3,498.5	3,644.4	3,401.9	2,205.1	1,933.4	2,020.4

<b>COINCIDENT (MW)</b>	1,783.8	1,798.1	1,189.8	1,536.8	2,412.2	2,862.5	2,868.7	3,025.8	2,843.2	2,126.5	1,684.4	1,687.6
	System											
<b>Time</b>	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900

<b>ENERGY (MWH)</b>	298,849	234,550	213,455	235,368	307,078	505,405	663,101	572,072	501,216	348,454	184,859	254,506
	On-Peak											
<b>%</b>	27.6%	26.8%	28.4%	31.3%	32.6%	35.7%	37.6%	33.3%	36.0%	35.4%	26.0%	27.8%
<b>Off-Peak</b>	783,473	848,871	594,392	516,133	635,505	911,774	1,100,218	1,148,185	890,611	632,828	525,790	661,044
<b>%</b>	72.4%	73.4%	73.6%	68.7%	67.4%	64.3%	62.4%	66.7%	64.0%	64.6%	74.0%	72.2%
<b>Total</b>	1,082,322	883,421	807,847	751,501	942,583	1,417,179	1,763,319	1,720,267	1,391,827	979,382	710,649	915,550

<b>CUSTOMERS</b>	863,309	981,948	962,119	978,785	974,737	973,259	974,295	972,054	974,017	975,181	979,259	986,363
	Monthly Count											

All load factors are calculated based on 730 hours per month.												
<b>FACTORS</b>	0.318	0.335	0.225	0.298	0.416	0.426	0.424	0.454	0.453	0.383	0.322	0.284
	Coincident Factor (CP)											
<b>Load Factor (Max) %</b>	26.7%	22.5%	21.3%	19.9%	22.3%	28.8%	35.4%	35.4%	30.4%	24.1%	18.8%	21.9%
<b>Load Factor (NCP) %</b>	71.4%	56.2%	69.3%	55.8%	42.9%	51.3%	66.6%	63.2%	56.0%	51.5%	50.4%	62.1%
<b>Load Factor (CP) %</b>	84.1%	67.3%	84.6%	67.0%	53.5%	67.8%	83.6%	77.9%	87.1%	83.0%	58.5%	74.3%

<b>CUSTOMER AVERAGES</b>	1,101	900	823	768	967	1,456	1,810	1,770	1,429	1,004	726	928
	Energy Use (KWh)											
<b>Ind. Max Demand (kW)</b>	5.64	5.47	5.28	5.28	5.95	6.90	7.00	6.85	6.44	5.70	5.28	5.82
<b>Coincident Demand (kW)</b>	1.78	1.83	1.19	1.57	2.47	2.94	2.96	3.11	2.92	2.18	1.70	1.71

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 am - 9 pm, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season		
6,818.7	6,738.0	6,818.7
6,230.2	4,806.9	6,230.2
6,392.9	5,540.1	6,392.9

Class Peak by Season		
3,726.0	1,921.3	3,726.0
3,781.1	2,153.0	3,781.1

Coincident Peak by Season		
3,025.8	1,799.1	3,025.8

Energy Summation by Season		
2,895,326	1,421,587	4,316,913
35.2%	27.6%	32.3%
5,319,231	3,729,703	9,048,934
64.8%	72.4%	67.7%
9,214,557	5,151,290	13,365,847

Customer Averages by Season		
973,924	981,964	977,944

Seasonal Factors		
0.444	0.314	0.444
27.5%	20.5%	22.4%
49.6%	54.6%	40.4%
64.9%	69.7%	62.8%

Seasonal Averages		
1,408	874	1,140
6.47	5.46	5.97
2.77	1.63	2.20



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Residential E-10 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	228.6	219.8	209.0	195.1	168.2	163.4						
On-Peak	198.7	179.5	161.1	173.9	144.7	149.5						
Off-Peak	203.7	210.9	204.7	182.4	152.5	153.0						
<b>CLASS PEAK (MW)</b>												
On-Peak	69.6	71.8	65.3	80.6	82.1	90.4						
Off-Peak	79.5	76.3	78.4	80.6	70.4	90.4						
<b>COINCIDENT (MW)</b>												
System	63.6	55.6	31.6	43.1	61.7	69.3						
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	31h@1700	15h@1700	6h@1700	1st@1700	1st@1700	1st@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	13,608	9,503	7,959	7,894	9,336	13,117						
%	29.9%	28.4%	27.4%	32.5%	36.2%	39.4%						
Off-Peak	31,931	23,993	21,088	16,360	16,475	20,173						
%	70.1%	71.6%	72.6%	67.5%	63.8%	60.6%						
Total	45,539	33,496	29,047	24,254	25,811	33,290						
<b>CUSTOMERS</b>												
Monthly Count	49,887	44,864	43,548	42,423	39,110	34,773						
<b>FACTORS</b>												
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.278	0.253	0.151	0.221	0.367	0.424						
Load Factor (Max) %	27.3%	20.9%	19.0%	17.0%	21.0%	27.9%						
Load Factor (NCP) %	78.5%	60.2%	50.8%	41.2%	43.1%	50.4%						
Load Factor (CP) %	98.1%	82.5%	125.9%	77.1%	57.3%	65.8%						
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	917	747	667	572	660	957						
Ind. Max Demand (kW)	4.60	4.90	4.80	4.60	4.30	4.70						
Coincident Demand (kW)	1.28	1.24	0.73	1.02	1.58	1.99						
<b>Seasonal Factors</b>												
#DIV/0!	0.412	0.278	0.412	0.278	0.412	0.412						
#DIV/0!	8.0%	13.2%	13.2%	13.2%	13.2%	13.2%						
#DIV/0!	14.9%	37.5%	37.5%	37.5%	37.5%	37.5%						
<b>Seasonal Averages</b>												
#DIV/0!	809	726	726	726	726	726						
#DIV/0!	4.60	4.73	4.73	4.73	4.73	4.65						
#DIV/0!	1.79	1.07	1.07	1.07	1.07	1.31						

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 pm - 9 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Residential E-12 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	2,032.5	1,998.8	1,999.8	1,843.6	1,990.2	2,229.0	2,424.3	2,284.4	2,132.5	2,028.4	1,847.5	2,163.4
On-Peak	1,755.3	1,719.9	1,720.8	1,613.1	1,809.3	2,047.0	2,278.8	2,055.4	1,895.6	1,839.7	1,515.9	1,826.9
Off-Peak	1,853.9	1,905.9	1,906.8	1,705.3	1,809.3	2,047.0	2,181.8	2,151.0	1,990.3	1,745.4	1,752.8	2,019.2
<b>CLASS PEAK (MW)</b>												
On-Peak	646.7	650.8	511.6	599.2	904.7	1,091.7	1,163.6	1,147.2	900.4	754.8	473.7	625.0
Off-Peak	646.7	697.3	558.1	553.1	769.0	1,091.7	1,018.2	1,099.4	995.2	660.4	568.5	673.1
<b>COINCIDENT (MW)</b>												
System	519.8	576.4	411.2	479.5	685.9	801.7	908.6	911.9	828.2	618.7	470.1	566.0
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	15h@1700	6h@1700	1st@1700	1st@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	115,189	93,275	82,284	82,387	96,455	151,375	210,345	178,058	153,808	106,360	63,608	97,806
%	31.1%	30.0%	30.1%	34.9%	35.6%	38.3%	40.6%	38.1%	39.3%	36.1%	30.0%	31.9%
Off-Peak	255,321	217,641	190,841	153,700	174,496	244,295	307,539	314,953	237,617	165,397	148,419	208,970
%	68.9%	70.0%	69.9%	65.1%	64.4%	61.7%	59.4%	61.9%	60.7%	60.9%	70.0%	68.1%
Total	370,520	310,915	273,125	236,087	270,951	395,670	517,884	493,011	391,425	271,757	212,027	306,776
<b>CUSTOMERS</b>												
Monthly Count	461,931	464,846	465,075	460,896	452,326	454,894	484,851	478,010	473,881	471,728	473,719	480,764
<b>FACTORS</b>												
Coincident Factor (CP)	0.256	0.288	0.206	0.260	0.350	0.360	0.375	0.397	0.398	0.305	0.254	0.262
Load Factor (Max) %	25.0%	21.3%	18.7%	17.5%	18.6%	24.3%	29.3%	29.4%	25.1%	18.4%	15.7%	19.4%
Load Factor (NGP) %	78.5%	61.1%	67.0%	54.0%	41.0%	49.6%	61.0%	58.9%	53.9%	49.3%	51.1%	62.4%
Load Factor (CP) %	97.6%	73.9%	91.0%	67.4%	53.3%	67.6%	78.1%	74.1%	64.7%	60.2%	61.8%	74.2%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	802	669	587	512	599	870	1,068	1,031	826	576	448	638
Ind. Max Demand (kW)	4.40	4.30	4.30	4.00	4.40	4.90	5.00	4.80	4.50	4.30	3.90	4.50
Coincident Demand (kW)	1.13	1.24	0.88	1.04	1.54	1.76	1.87	1.81	1.75	1.31	0.99	1.18

SUMMATION IND MAX by Season		
(May-Oct)	2,424.3	2,424.3
(Nov-Apr)	2,278.8	2,278.8
Annual	2,181.8	2,181.8

Class Peak by Season		
(May-Oct)	1,163.6	1,163.6
(Nov-Apr)	1,099.4	1,099.4
Annual	1,099.4	1,099.4

Coincident Peak by Season		
(May-Oct)	911.9	911.9
(Nov-Apr)	676.4	676.4
Annual	676.4	676.4

Energy Summation by Season		
(May-Oct)	896,402	1,430,961
(Nov-Apr)	38.3%	31.3%
Annual	1,444,296	2,619,187
(May-Oct)	61.7%	68.7%
(Nov-Apr)	38.3%	31.3%
Annual	2,340,898	4,050,148

Customer Averages by Season		
(May-Oct)	469,284	467,872
(Nov-Apr)	467,872	467,872
Annual	467,872	467,872

Seasonal Factors		
(May-Oct)	0.376	0.266
(Nov-Apr)	22.0%	18.0%
Annual	45.9%	56.0%
(May-Oct)	58.8%	69.0%
(Nov-Apr)	60.9%	60.9%

Seasonal Averages		
(May-Oct)	828	609
(Nov-Apr)	4.85	4.23
Annual	1.69	1.08

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 pm - 9 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Residential EC-1 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
<b>SUMMATION IND MAX (MW)</b>															
Non-Filmed	132.4	108.4	87.8	85.3	94.5	102.7							102.7	132.4	132.4
On-Peak	114.2	91.6	70.9	75.8	86.5	95.5							96.6	114.2	114.2
Off-Peak	127.4	103.8	80.7	75.8	89.2	100.3							100.3	127.4	127.4
<b>CLASS PEAK (MW)</b>															
On-Peak	57.9	50.4	33.4	39.3	57.2	64.0							64.0	57.9	64.0
Off-Peak	68.2	61.1	34.8	40.6	58.6	64.0							64.0	66.2	66.2
<b>COINCIDENT (MW)</b>															
System	44.6	42.3	20.0	31.7	39.2	39.8							39.8	44.6	44.6
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	1s@1700	6h@1700	1s@1700	1s@1600	15h@1900			
<b>ENERGY (MWH)</b>															
On-Peak	8,145	5,819	4,897	5,275	6,385	8,999							15,385	24,138	39,521
%	27.5%	26.5%	26.8%	33.2%	33.4%	35.2%							34.6%	28.1%	30.3%
Off-Peak	21,433	16,173	13,396	10,636	12,714	16,556							29,269	61,638	90,907
%	72.5%	73.5%	73.2%	66.8%	66.6%	64.8%							65.4%	71.9%	69.7%
Total	29,578	21,992	18,293	15,911	19,099	25,555							44,654	85,774	130,428
<b>CUSTOMERS</b>															
Monthly Count	18,544	15,268	13,911	13,538	13,312	12,083							4,233	9,877	7,055
<b>FACTORS</b>															
Coincident Factor (CF)	0.337	0.390	0.228	0.372	0.415	0.388							0.388	0.337	0.388
Load Factor (Max) %	30.6%	27.8%	28.6%	25.6%	27.7%	34.1%							9.9%	14.8%	11.2%
Load Factor (NCP) %	61.2%	49.3%	72.1%	53.7%	44.7%	54.7%							16.9%	29.6%	22.6%
Load Factor (CP) %	90.8%	71.2%	125.3%	68.8%	66.7%	88.0%							#DIV/0!	#DIV/0!	#DIV/0!
<b>CUSTOMER AVERAGES</b>															
Energy Use (kWh)	1,788	1,440	1,315	1,175	1,435	2,115							1,775	1,430	1,545
Ind. Max Demand (kW)	8.00	7.10	6.30	6.30	7.10	8.50							7.80	6.93	7.22
Coincident Demand (kW)	2.70	2.77	1.44	2.34	2.94	3.29							3.12	2.31	2.68

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 pm - 9 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Residential ET-1 \*\*\*

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL

Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

<b>SUMMATION IND MAX (MW)</b>											
Non-Timed											
2,235.3	2,119.8	1,965.9	2,015.3	2,323.7	2,784.4	2,886.4	2,803.5	2,642.5	2,213.9	2,091.0	2,225.2
On-Peak											
1,734.9	1,623.0	1,441.6	1,592.8	2,061.9	2,489.6	2,648.7	2,533.3	2,269.8	1,979.1	1,626.3	1,767.1
Off-Peak											
2,168.6	2,053.5	1,933.1	1,917.8	2,160.1	2,666.2	2,716.6	2,702.2	2,540.8	2,048.2	1,958.2	2,192.5

<b>CLASS PEAK (MW)</b>											
On-Peak											
734.0	761.8	589.8	747.6	1,276.4	1,539.6	1,629.9	1,688.9	1,389.0	1,140.5	630.6	785.4
Off-Peak											
900.8	894.3	655.3	747.6	1,178.2	1,670.7	1,596.0	1,655.1	1,524.5	939.2	763.4	850.8

<b>COINCIDENT (MW)</b>											
System											
780.3	769.9	444.3	597.5	1,047.5	1,261.1	1,378.9	1,449.3	1,348.5	970.7	696.0	710.0
Time											
18h@0800	5h@0800	25h@2000	28h@1800	19h@1700	17h@1700	31h@1700	18h@1700	8h@1700	1st@1700	1st@1600	15h@1900

<b>ENERGY (MWH)</b>											
On-Peak											
116,277	88,752	81,485	94,565	131,832	226,880	313,786	266,353	233,130	154,719	77,886	100,110
%											
26.9%	25.7%	25.5%	31.1%	33.1%	36.9%	39.2%	34.3%	37.4%	36.1%	26.4%	28.1%
Off-Peak											
315,457	256,994	237,663	209,961	266,368	387,277	486,061	510,039	389,620	274,075	217,566	256,001
%											
73.1%	74.3%	74.5%	68.9%	66.9%	63.1%	60.8%	65.7%	62.6%	63.9%	73.6%	71.9%
Total											
431,734	345,736	319,148	304,526	398,200	614,167	799,847	776,392	622,750	428,794	295,452	356,111

<b>CUSTOMERS</b>											
Monthly Count											
333,626	331,216	327,645	325,055	327,286	327,582	339,572	337,712	338,778	335,445	331,901	327,240

<b>FACTORS</b>											
Coincident Factor (CP)											
0.349	0.363	0.226	0.286	0.451	0.453	0.478	0.521	0.510	0.438	0.333	0.319
Load Factor (Max) %											
26.5%	22.3%	22.2%	20.7%	23.5%	30.2%	38.0%	37.9%	32.3%	26.5%	19.4%	21.9%
Load Factor (NCP) %											
65.7%	53.0%	66.7%	55.8%	42.7%	50.4%	67.2%	63.0%	56.0%	51.5%	53.0%	57.3%
Load Factor (CP) %											
75.9%	61.5%	98.4%	68.8%	52.1%	66.7%	79.5%	72.9%	63.3%	60.5%	58.2%	68.7%

<b>CUSTOMER AVERAGES</b>											
Energy Use (kWh)											
1,294	1,044	974	937	1,217	1,875	2,355	2,299	1,838	1,278	890	1,088
Ind. Max Demand (kW)											
6.70	6.40	6.00	6.20	7.10	8.50	8.50	8.30	7.80	6.60	6.30	6.80
Coincident Demand (kW)											
2.34	2.32	1.36	1.84	3.20	3.85	4.06	4.32	3.98	2.89	2.10	2.17

<b>CLASS PEAK (MW)</b>											
On-Peak											
734.0	761.8	589.8	747.6	1,276.4	1,539.6	1,629.9	1,688.9	1,389.0	1,140.5	630.6	785.4
Off-Peak											
900.8	894.3	655.3	747.6	1,178.2	1,670.7	1,596.0	1,655.1	1,524.5	939.2	763.4	850.8

<b>ENERGY (MWH)</b>											
On-Peak											
116,277	88,752	81,485	94,565	131,832	226,880	313,786	266,353	233,130	154,719	77,886	100,110
%											
26.9%	25.7%	25.5%	31.1%	33.1%	36.9%	39.2%	34.3%	37.4%	36.1%	26.4%	28.1%
Off-Peak											
315,457	256,994	237,663	209,961	266,368	387,277	486,061	510,039	389,620	274,075	217,566	256,001
%											
73.1%	74.3%	74.5%	68.9%	66.9%	63.1%	60.8%	65.7%	62.6%	63.9%	73.6%	71.9%
Total											
431,734	345,736	319,148	304,526	398,200	614,167	799,847	776,392	622,750	428,794	295,452	356,111

<b>COINCIDENT PEAK BY SEASON</b>											
1,459.3	780.3	1,459.3									

<b>ENERGY SUMMATION BY SEASON</b>											
1,326,710	559,076	1,865,786									
36.4%	27.2%	33.1%									
2,313,430	1,483,631	3,807,061									
63.6%	72.8%	66.9%									
3,640,140	2,062,707	5,692,847									

<b>CUSTOMER AVERAGES BY SEASON</b>											
334,406	329,447	331,927									

<b>SEASONAL FACTORS</b>											
0.506	0.349	0.506									
28.8%	21.0%	22.5%									
49.2%	52.0%	38.5%									
60.3%	66.0%	47.1%									

<b>SEASONAL AVERAGES</b>											
1,810	1,038	1,424									
7.80	6.40	7.10									
3.72	2.02	2.87									

<b>TOU Periods - All Months:</b>											
On-Peak 9 am - 9 pm, M-F											
Off-Peak 9 pm - 9 am, M-F & All Weekends											





Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Residential ECT-1R \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	452.7	442.8	440.8	443.9	544.5	615.9	633.0	673.3	618.3	552.0	487.0	520.2
On-Peak	357.7	334.9	330.6	369.0	463.2	543.1	576.5	583.0	539.5	477.6	392.1	417.4
Off-Peak	441.5	431.4	429.2	426.6	521.3	593.5	599.1	640.1	594.1	514.8	474.3	507.3
<b>CLASS PEAK (MW)</b>												
On-Peak	173.3	181.7	150.8	219.1	336.0	397.5	406.9	444.7	375.8	328.7	189.7	205.5
Off-Peak	234.7	232.7	174.0	230.6	341.9	414.3	406.9	438.7	418.3	285.3	253.0	244.0
<b>COINCIDENT (MW)</b>												
System	207.4	199.9	132.6	190.7	284.5	338.9	232.6	250.8	249.6	207.2	193.3	161.7
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	1st@1700	8h@1700	1st@1700	1st@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	31,275	24,740	23,802	28,118	38,477	61,778	80,190	72,210	64,747	46,397	25,017	32,691
%	26.3%	25.3%	25.2%	30.4%	32.3%	35.6%	38.0%	33.8%	36.7%	35.7%	26.2%	27.8%
Off-Peak	87,583	73,232	70,657	64,479	80,653	111,883	130,892	141,161	111,770	83,632	70,398	84,795
%	73.7%	74.7%	74.8%	69.6%	67.7%	64.4%	62.0%	66.2%	63.3%	64.3%	73.8%	72.2%
Total	118,858	97,972	94,459	92,597	119,130	173,661	211,082	213,371	176,517	130,029	95,415	117,486
<b>CUSTOMERS</b>												
Monthly Count	55,991	56,766	57,996	57,651	57,927	55,991	56,516	60,101	60,820	62,020	63,245	64,217
<b>FACTORS</b>												
Coincident Factor (CP)	0.458	0.451	0.301	0.430	0.522	0.550	0.367	0.373	0.404	0.375	0.397	0.311
Load Factor (Max) %	36.0%	30.3%	29.4%	28.6%	30.0%	38.6%	45.7%	43.4%	39.1%	32.3%	26.8%	30.9%
Load Factor (NCP) %	69.4%	57.7%	74.4%	55.0%	47.7%	57.4%	71.1%	65.7%	57.8%	54.2%	51.7%	66.0%
Load Factor (CP) %	78.5%	67.1%	97.6%	66.5%	57.4%	70.2%	124.3%	116.5%	96.9%	86.0%	67.6%	99.5%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	2,127	1,726	1,629	1,606	2,057	3,102	3,735	3,550	2,912	2,097	1,509	1,830
Ind. Max Demand (kW)	8.10	7.80	7.60	7.70	9.40	11.00	11.20	11.20	10.20	8.90	7.70	8.10
Coincident Demand (kW)	3.71	3.52	2.29	3.31	4.91	6.05	4.12	4.17	4.12	3.34	3.06	2.92

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 pm - 9 am, M-F & All Weekends

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season		
673.1	520.2	673.1
583.0	417.4	583.0
649.1	507.3	649.1

Class Peak by Season		
444.7	219.1	444.7
438.7	253.0	438.7

Coincident Peak by Season		
338.9	207.4	338.9

Energy Summation by Season		
363,800	165,643	529,443
35.5%	26.9%	32.3%
659,990	451,144	1,111,134
64.5%	73.1%	67.7%
1,023,790	616,787	1,640,577

Customer Averages by Season		
58,863	59,294	59,076

Seasonal Factors		
0.503	0.399	0.503
34.7%	27.1%	27.8%
62.6%	55.7%	42.1%
100.5%	87.1%	80.5%

Seasonal Averages		
2,909	1,738	2,323
10.32	7.83	9.08
4.45	3.07	3.76



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Residential ET-2 \*\*\*

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
577.6	554.5	577.6

Summation Ind Max by Season

577.6	554.5	577.6
489.3	411.3	489.3
563.8	556.4	563.8

Class Peak by Season

321.7	185.5	321.7
324.9	219.2	324.9

Coincident Peak by Season

250.8	193.3	250.8
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Energy Summation by Season

175,600	66,178	241,778
26.4%	18.8%	23.2%
615,356	285,087	800,443
74.6%	81.2%	76.8%
690,996	351,265	1,042,261

Customer Averages by Season

68,098	62,444	65,271
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Seasonal Factors

0.434	0.342	0.434
27.3%	14.2%	20.6%
48.6%	36.6%	36.8%
67.8%	49.6%	61.2%

Seasonal Averages

1,692	944	1,318
7.93	6.68	7.31
3.34	2.07	2.71

Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
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SUMMATION IND MAX (MW)	341.3	354.3	342.0	408.0	471.0	547.9	569.8	577.6	489.3	493.2	564.5
Non-Timed											
On-Peak	261.0	244.9	248.2	320.6	384.2	445.9	489.3	474.6	406.5	328.8	411.3
Off-Peak	331.2	349.1	336.5	384.7	278.9	541.5	556.3	563.8	560.4	485.4	556.4

CLASS PEAK (MW)	105.4	104.2	104.8	163.2	247.9	305.8	321.7	302.8	273.0	248.4	164.4
On-Peak											
Off-Peak	125.5	145.9	121.4	169.0	272.7	324.9	321.7	323.2	308.9	263.5	201.6

COINCIDENT (MW)	100.4	105.8	88.3	134.4	190.9	232.1	232.6	250.8	249.6	207.2	193.3
System											
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	15th@1900

ENERGY (MWH)	10,232	8,694	8,897	11,326	16,273	28,311	38,431	35,649	31,893	25,044	11,773
On-Peak	17.5%	17.7%	18.4%	22.8%	23.5%	25.6%	26.0%	24.1%	25.5%	27.5%	18.2%
%											
Off-Peak	48.215	40.349	39,366	38,278	52,861	82,089	109,243	112,318	92,990	65,894	52,939
%	82.5%	82.3%	81.6%	77.2%	76.5%	74.4%	74.0%	75.9%	74.5%	72.5%	81.8%
Total	58,447	49,043	48,265	49,604	69,134	110,400	147,674	147,967	124,883	90,938	64,712

CUSTOMERS	50,189	52,099	55,165	58,282	61,973	63,707	67,030	58,762	71,841	75,277	78,293
Monthly Count											

All load factors are calculated based on 730 hours per month.

FACTORS	0.284	0.299	0.258	0.329	0.405	0.424	0.408	0.434	0.423	0.382	0.286
Coincident Factor (CP)											
Load Factor (Max) %	23.5%	19.0%	19.3%	16.7%	20.1%	27.6%	35.5%	35.1%	29.8%	25.5%	18.0%
Load Factor (NCP) %	63.8%	46.1%	54.5%	40.2%	34.7%	46.5%	62.9%	62.7%	55.4%	47.3%	40.4%
Load Factor (CP) %	79.7%	63.5%	74.9%	50.6%	49.6%	65.2%	87.0%	80.8%	68.5%	60.1%	45.9%

CUSTOMER AVERAGES	1,165	941	875	851	1,116	1,733	2,203	2,132	1,738	1,208	827
Energy Use (kWh)											
Ind. Max Demand (kW)	6.80	6.80	6.20	7.00	7.60	8.60	8.50	8.40	8.00	6.50	6.30
Coincident Demand (kW)	2.00	2.03	1.60	2.31	3.08	3.64	3.47	3.65	3.47	2.75	2.47

TOU Periods - All Months: On-Peak 12 pm - 12 pm, M-F Off-Peak 7 pm - 12 pm, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Residential ECT-2 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	120.4	131.7	152.1	173.8	209.8	276.2	305.4	312.5	303.3	273.3	250.4	264.7
On-Peak	80.3	89.5	93.9	119.4	155.1	208.4	236.9	241.2	245.5	218.0	160.5	184.3
Off-Peak	118.9	130.0	148.4	171.7	202.9	271.4	300.1	307.0	300.4	267.2	247.2	264.7
<b>CLASS PEAK (MW)</b>												
On-Peak	43.2	45.6	46.9	79.6	118.6	157.5	171.1	180.9	164.7	144.3	89.9	103.9
Off-Peak	58.7	64.2	60.1	87.9	130.0	186.6	197.4	208.3	196.4	162.8	131.6	134.0
<b>COINCIDENT (MW)</b>												
System	47.7	49.2	41.6	59.9	92.5	119.6	136.0	153.0	167.3	124.7	111.7	88.2
Time	18h@0800	5h@0800	25h@2000	29h@1700	19h@1800	17h@1700	31h@1700	1s@1700	8h@1700	1s@1700	1s@1800	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	4,112	3,767	4,131	5,803	8,319	14,934	20,349	19,802	17,838	13,933	6,575	8,643
%	14.9%	15.5%	16.2%	20.3%	20.7%	23.2%	23.4%	22.1%	23.1%	24.1%	15.3%	16.0%
Off-Peak	23,534	20,500	21,379	22,719	31,939	49,502	66,483	68,734	58,614	43,931	36,468	45,340
%	85.1%	84.5%	83.8%	79.7%	79.3%	76.8%	76.6%	77.9%	76.9%	75.9%	84.7%	84.0%
Total	27,646	24,267	25,510	28,522	40,258	64,436	86,832	89,536	76,252	57,864	43,043	53,983
<b>CUSTOMERS</b>												
Monthly Count	15,441	16,889	18,779	20,940	22,803	24,229	26,326	27,408	28,887	30,710	32,101	33,504
<b>FACTORS</b>												
Coincident Factor (CP)	0.396	0.373	0.273	0.345	0.441	0.433	0.445	0.490	0.552	0.456	0.446	0.333
Load Factor (Max) %	31.4%	25.2%	23.0%	22.5%	26.3%	32.0%	39.0%	39.3%	34.4%	29.0%	23.5%	27.9%
Load Factor (NCP) %	64.5%	51.8%	58.2%	44.4%	42.4%	47.3%	60.2%	58.9%	53.2%	48.7%	44.8%	55.2%
Load Factor (CP) %	79.4%	67.6%	84.0%	65.2%	59.6%	73.8%	87.5%	80.2%	62.4%	63.6%	52.8%	83.8%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	1,790	1,437	1,358	1,362	1,765	2,659	3,296	3,267	2,640	1,884	1,341	1,611
Ind. Max Demand (kW)	7.80	7.80	8.10	8.30	9.20	11.40	11.60	11.40	10.50	8.90	7.90	7.90
Coincident Demand (kW)	3.09	2.91	2.22	2.86	4.06	4.94	5.17	5.58	5.79	4.06	3.48	2.63

TOU Periods - All Months: On-Peak 12 pm - 7 pm, M-F Off-Peak 7 pm - 12 pm, M-F & All Weekends

<b>SUMMER</b>	<b>WINTER</b>	<b>ANNUAL</b>
(May-Oct)	(Nov-Apr)	
<b>Summation Ind Max by Season</b>		
312.5	264.7	312.5
245.5	184.3	245.5
307.0	264.7	307.0
<b>Class Peak by Season</b>		
180.9	103.9	180.9
208.3	134.0	208.3
<b>Coincident Peak by Season</b>		
167.3	111.7	167.3
<b>Energy Summation by Season</b>		
94,976	33,032	128,008
22.9%	16.3%	20.7%
320,202	169,939	490,141
77.1%	83.7%	78.3%
416,178	202,971	618,149
<b>Customer Averages by Season</b>		
26,727	22,942	24,836
<b>Seasonal Factors</b>		
0.535	0.422	0.535
30.3%	17.5%	22.6%
46.5%	34.6%	33.9%
69.7%	52.5%	51.9%
<b>Seasonal Averages</b>		
2,666	1,483	2,034
10.50	7.96	9.23
4.93	2.87	3.90



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\*General Service E-20\*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	13.0	11.8	12.4	14.5	18.4	22.5	22.4	22.2	20.3	14.3	12.6	11.6
On-Peak	10.2	9.5	10.0	12.2	14.1	18.7	18.9	18.6	17.6	13.0	8.6	9.1
Off-Peak	12.7	11.3	12.1	14.0	18.2	22.1	22.0	21.7	19.8	13.2	12.5	11.4
<b>CLASS PEAK (MW)</b>												
On-Peak	6.2	6.9	6.1	7.1	8.4	12.7	12.9	12.1	11.9	9.1	5.5	6.3
Off-Peak	10.1	8.8	8.8	11.3	15.6	18.9	18.8	18.8	16.9	10.4	9.6	9.0
<b>COINCIDENT (MW)</b>												
System	3.9	4.2	3.2	3.8	4.6	8.1	6.7	6.9	7.1	4.8	3.5	2.6
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	11h@1700	6h@1700	1s@1700	1s@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	801	742	689	873	968	1,318	1,666	1,671	1,552	1,308	718	709
Off-Peak	1,724	1,647	1,548	1,581	1,767	2,345	2,737	3,255	2,563	2,089	1,654	1,538
Total	2,525	2,389	2,237	2,454	2,735	3,663	4,395	4,926	4,115	3,397	2,372	2,247
<b>CUSTOMERS</b>												
Monthly Count	354	354	353	356	350	352	350	342	343	337	340	336
<b>FACTORS</b>												
Coincident Factor (CP)	0.301	0.355	0.259	0.263	0.250	0.271	0.299	0.310	0.349	0.337	0.277	0.225
Load Factor (Max) %	26.7%	27.1%	24.8%	23.3%	20.4%	22.3%	26.9%	30.4%	27.7%	32.6%	25.9%	26.6%
Load Factor (NCP) %	34.2%	37.9%	34.7%	29.8%	24.1%	26.5%	32.0%	35.6%	33.4%	44.8%	33.8%	34.1%
Load Factor (CP) %	88.7%	77.9%	95.8%	88.5%	81.4%	82.3%	89.9%	97.8%	79.4%	96.9%	92.8%	118.4%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	7,133	6,749	6,337	6,893	7,814	10,406	12,557	14,404	11,997	10,080	6,976	6,688
Ind. Max Demand (kW)	36.60	33.40	35.00	40.60	52.60	63.90	64.00	65.00	59.30	42.30	37.10	34.40
Coincident Demand (kW)	11.02	11.86	9.07	10.67	13.14	17.33	19.14	20.18	20.70	14.24	10.29	7.74
<b>SEASONAL AVERAGES</b>												
Summer (May-Oct)	22.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
Winter (Nov-Apr)	18.9	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
Annual	22.1	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
<b>SEASONAL AVERAGES</b>												
Summer (May-Oct)	11,210	6,796	6,796	6,796	6,796	6,796	6,796	6,796	6,796	6,796	6,796	6,796
Winter (Nov-Apr)	57.85	36.18	36.18	36.18	36.18	36.18	36.18	36.18	36.18	36.18	36.18	36.18
Annual	17.46	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008  
\*\*\* General Service E-38, E-221 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	110.1	100.4	116.1	123.3	132.8	143.7	137.9	140.8	138.5	145.3	147.2	115.7
On-Peak	105.7	94.1	102.8	111.4	120.0	131.1	123.4	130.8	123.3	138.4	132.8	105.2
Off-Peak	105.3	96.0	114.0	121.4	132.7	143.4	137.0	137.2	137.0	144.9	145.6	113.8
<b>CLASS PEAK (MW)</b>												
On-Peak	57.1	56.9	64.6	79.7	79.7	95.6	85.6	92.9	81.4	91.0	85.3	65.3
Off-Peak	60.8	57.7	70.6	82.1	92.4	101.6	95.3	94.5	91.5	96.7	95.2	69.3
<b>COINCIDENT (MW)</b>												
System	45.1	30.8	49.3	49.6	44.4	45.6	43.1	49.5	45.1	46.8	64.4	24.0
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	8th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	6,080	5,389	6,419	8,996	10,318	11,915	11,887	10,428	9,800	10,123	7,723	7,101
%	33.0%	32.3%	30.7%	31.9%	29.6%	28.6%	28.8%	26.8%	30.5%	32.7%	28.8%	31.8%
Off-Peak	12,335	11,300	14,459	19,164	24,568	29,483	27,992	28,516	22,319	20,845	19,089	15,198
%	67.0%	67.7%	69.3%	68.1%	70.4%	71.2%	70.2%	73.2%	69.5%	67.3%	71.2%	68.2%
<b>Total</b>	<b>18,415</b>	<b>16,689</b>	<b>20,878</b>	<b>28,160</b>	<b>34,886</b>	<b>41,398</b>	<b>39,879</b>	<b>38,944</b>	<b>32,119</b>	<b>30,968</b>	<b>26,812</b>	<b>22,299</b>
<b>CUSTOMERS</b>												
Monthly Count	1,612	1,611	1,608	1,610	1,626	1,629	1,652	1,647	1,616	1,585	1,600	1,592
<b>FACTORS</b>												
Coincident Factor (CP)	0.410	0.307	0.399	0.402	0.334	0.317	0.312	0.352	0.326	0.322	0.438	0.207
Load Factor (Max) %	22.9%	22.8%	24.6%	31.3%	36.0%	39.5%	39.6%	37.9%	31.8%	29.2%	25.0%	26.4%
Load Factor (NCP) %	41.5%	39.6%	40.5%	47.0%	51.7%	55.8%	57.3%	56.4%	48.1%	43.9%	38.6%	44.1%
Load Factor (CP) %	55.9%	74.2%	61.8%	77.8%	107.6%	124.4%	126.7%	107.8%	97.6%	90.6%	57.0%	127.3%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	11,424	10,359	12,984	17,491	21,455	25,413	24,140	23,645	19,876	19,538	16,758	14,007
Ind. Max Demand (kW)	68.30	62.30	72.20	76.60	81.70	88.20	83.50	85.60	85.70	91.70	92.00	72.70
Coincident Demand (kW)	27.98	19.12	28.79	30.81	27.31	27.99	26.09	30.05	27.91	29.53	40.25	15.08
<b>Seasonal Factors</b>												
0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341
34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%
49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%
116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%
<b>Seasonal Averages</b>												
22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346
86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05
28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15
<b>Customer Averages by Season</b>												
1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626
1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606
<b>Energy Summation by Season</b>												
64,472	64,472	64,472	64,472	64,472	64,472	64,472	64,472	64,472	64,472	64,472	64,472	64,472
41,708	41,708	41,708	41,708	41,708	41,708	41,708	41,708	41,708	41,708	41,708	41,708	41,708
30.2%	30.2%	30.2%	30.2%	30.2%	30.2%	30.2%	30.2%	30.2%	30.2%	30.2%	30.2%	30.2%
153,722	153,722	153,722	153,722	153,722	153,722	153,722	153,722	153,722	153,722	153,722	153,722	153,722
91,545	91,545	91,545	91,545	91,545	91,545	91,545	91,545	91,545	91,545	91,545	91,545	91,545
68.7%	68.7%	68.7%	68.7%	68.7%	68.7%	68.7%	68.7%	68.7%	68.7%	68.7%	68.7%	68.7%
218,194	218,194	218,194	218,194	218,194	218,194	218,194	218,194	218,194	218,194	218,194	218,194	218,194
133,253	133,253	133,253	133,253	133,253	133,253	133,253	133,253	133,253	133,253	133,253	133,253	133,253
351,447	351,447	351,447	351,447	351,447	351,447	351,447	351,447	351,447	351,447	351,447	351,447	351,447
<b>Customer Averages by Season</b>												
1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626
1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606
<b>Seasonal Factors</b>												
0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341
0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438
34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%	34.3%
20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%
27.3%	27.3%	27.3%	27.3%	27.3%	27.3%	27.3%	27.3%	27.3%	27.3%	27.3%	27.3%	27.3%
49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%	49.0%
32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%
39.5%	39.5%	39.5%	39.5%	39.5%	39.5%	39.5%	39.5%	39.5%	39.5%	39.5%	39.5%	39.5%
116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%	116.6%
93.1%	93.1%	93.1%	93.1%	93.1%	93.1%	93.1%	93.1%	93.1%	93.1%	93.1%	93.1%	93.1%
<b>Seasonal Averages</b>												
22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346	22.346
13.637	13.637	13.637	13.637	13.637	13.637	13.637	13.637	13.637	13.637	13.637	13.637	13.637
18,091	18,091	18,091	18,091	18,091	18,091	18,091	18,091	18,091	18,091	18,091	18,091	18,091
86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05	86.05
74.02	74.02	74.02	74.02	74.02	74.02	74.02	74.02	74.02	74.02	74.02	74.02	74.02
80.03	80.03	80.03	80.03	80.03	80.03	80.03	80.03	80.03	80.03	80.03	80.03	80.03
27.58	27.58	27.58	27.58	27.58	27.58	27.58	27.58	27.58	27.58	27.58	27.58	27.58

TOU Periods - All Months: On-Peak 11 am - 11 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-30, E-32 \*\*\*  
0 - 20 KW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	797.3	769.8	744.6	811.1	935.0	984.0	957.2	958.5	922.1	825.4	673.7	741.6
On-Peak	667.5	704.9	688.8	783.1	907.0	927.8	938.5	911.8	865.6	778.0	635.7	656.0
Off-Peak	760.2	732.7	689.8	661.9	850.9	880.9	891.5	892.7	837.4	730.6	616.7	684.5
<b>CLASS PEAK (MW)</b>												
On-Peak	398.6	408.1	418.9	475.5	589.1	665.4	666.3	657.8	639.8	559.8	398.5	380.3
Off-Peak	398.6	417.4	363.0	419.5	551.7	599.8	600.6	601.4	555.1	483.4	379.5	399.3
<b>COINCIDENT (MW)</b>												
System	243.1	252.2	185.7	258.6	370.4	449.4	445.1	424.9	305.9	375.1	236.8	212.9
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	15h@1700	8h@1700	15h@1700	15h@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	39,497	39,693	39,659	44,523	46,714	57,110	60,784	59,078	55,037	49,834	36,104	40,648
%	36.5%	36.9%	37.5%	42.1%	41.3%	40.9%	42.1%	39.1%	42.3%	43.2%	36.6%	37.1%
Off-Peak	66,678	67,830	66,059	61,315	66,507	82,618	83,621	91,872	75,080	65,467	62,440	68,873
%	63.5%	63.1%	62.5%	57.9%	58.7%	59.1%	57.9%	60.9%	57.7%	56.8%	63.4%	62.9%
Total	106,175	107,523	105,718	105,838	113,221	139,728	144,405	150,948	130,117	115,301	98,544	109,521
<b>CUSTOMERS</b>												
Monthly Count	92,704	92,753	93,079	93,229	93,502	93,716	93,847	93,969	94,089	94,878	94,882	95,074
<b>FACTORS</b>												
Coincident Factor (CP)	0.305	0.328	0.249	0.319	0.396	0.457	0.465	0.443	0.331	0.454	0.352	0.287
Load Factor (Max) %	18.5%	19.1%	19.4%	17.9%	16.6%	19.5%	20.7%	21.8%	19.3%	19.1%	20.0%	20.2%
Load Factor (NCP) %	37.2%	35.3%	34.6%	30.5%	26.3%	28.8%	29.7%	31.4%	27.9%	28.2%	33.9%	37.6%
Load Factor (CP) %	61.0%	58.4%	78.0%	56.1%	41.9%	42.8%	44.4%	48.7%	58.3%	42.1%	57.0%	70.5%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	1,167	1,159	1,136	1,135	1,211	1,491	1,539	1,608	1,383	1,215	1,039	1,152
Ind. Max Demand (kW)	8.60	8.30	8.00	8.70	10.00	10.50	10.20	10.20	9.80	8.70	7.10	7.80
Coincident Demand (kW)	2.62	2.72	2.00	2.77	3.96	4.80	4.74	4.52	3.25	3.95	2.50	2.24
TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends												

<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	797.3	769.8	744.6	811.1	935.0	984.0	957.2	958.5	922.1	825.4	673.7	741.6
On-Peak	667.5	704.9	688.8	783.1	907.0	927.8	938.5	911.8	865.6	778.0	635.7	656.0
Off-Peak	760.2	732.7	689.8	661.9	850.9	880.9	891.5	892.7	837.4	730.6	616.7	684.5
<b>CLASS PEAK (MW)</b>												
On-Peak	398.6	408.1	418.9	475.5	589.1	665.4	666.3	657.8	639.8	559.8	398.5	380.3
Off-Peak	398.6	417.4	363.0	419.5	551.7	599.8	600.6	601.4	555.1	483.4	379.5	399.3
<b>COINCIDENT (MW)</b>												
System	243.1	252.2	185.7	258.6	370.4	449.4	445.1	424.9	305.9	375.1	236.8	212.9
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	15h@1700	8h@1700	15h@1700	15h@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	39,497	39,693	39,659	44,523	46,714	57,110	60,784	59,078	55,037	49,834	36,104	40,648
%	36.5%	36.9%	37.5%	42.1%	41.3%	40.9%	42.1%	39.1%	42.3%	43.2%	36.6%	37.1%
Off-Peak	66,678	67,830	66,059	61,315	66,507	82,618	83,621	91,872	75,080	65,467	62,440	68,873
%	63.5%	63.1%	62.5%	57.9%	58.7%	59.1%	57.9%	60.9%	57.7%	56.8%	63.4%	62.9%
Total	106,175	107,523	105,718	105,838	113,221	139,728	144,405	150,948	130,117	115,301	98,544	109,521
<b>CUSTOMERS</b>												
Monthly Count	92,704	92,753	93,079	93,229	93,502	93,716	93,847	93,969	94,089	94,878	94,882	95,074
<b>FACTORS</b>												
Coincident Factor (CP)	0.305	0.328	0.249	0.319	0.396	0.457	0.465	0.443	0.331	0.454	0.352	0.287
Load Factor (Max) %	18.5%	19.1%	19.4%	17.9%	16.6%	19.5%	20.7%	21.8%	19.3%	19.1%	20.0%	20.2%
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Load Factor (CP) %	61.0%	58.4%	78.0%	56.1%	41.9%	42.8%	44.4%	48.7%	58.3%	42.1%	57.0%	70.5%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	1,167	1,159	1,136	1,135	1,211	1,491	1,539	1,608	1,383	1,215	1,039	1,152
Ind. Max Demand (kW)	8.60	8.30	8.00	8.70	10.00	10.50	10.20	10.20	9.80	8.70	7.10	7.80
Coincident Demand (kW)	2.62	2.72	2.00	2.77	3.96	4.80	4.74	4.52	3.25	3.95	2.50	2.24

<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	797.3	769.8	744.6	811.1	935.0	984.0	957.2	958.5	922.1	825.4	673.7	741.6
On-Peak	667.5	704.9	688.8	783.1	907.0	927.8	938.5	911.8	865.6	778.0	635.7	656.0
Off-Peak	760.2	732.7	689.8	661.9	850.9	880.9	891.5	892.7	837.4	730.6	616.7	684.5
<b>CLASS PEAK (MW)</b>												
On-Peak	398.6	408.1	418.9	475.5	589.1	665.4	666.3	657.8	639.8	559.8	398.5	380.3
Off-Peak	398.6	417.4	363.0	419.5	551.7	599.8	600.6	601.4	555.1	483.4	379.5	399.3
<b>COINCIDENT (MW)</b>												
System	243.1	252.2	185.7	258.6	370.4	449.4	445.1	424.9	305.9	375.1	236.8	212.9
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	15h@1700	8h@1700	15h@1700	15h@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	39,497	39,693	39,659	44,523	46,714	57,110	60,784	59,078	55,037	49,834	36,104	40,648
%	36.5%	36.9%	37.5%	42.1%	41.3%	40.9%	42.1%	39.1%	42.3%	43.2%	36.6%	37.1%
Off-Peak	66,678	67,830	66,059	61,315	66,507	82,618	83,621	91,872	75,080	65,467	62,440	68,873
%	63.5%	63.1%	62.5%	57.9%	58.7%	59.1%	57.9%	60.9%	57.7%	56.8%	63.4%	62.9%
Total	106,175	107,523	105,718	105,838	113,221	139,728	144,405	150,948	130,117	115,301	98,544	109,521
<b>CUSTOMERS</b>												
Monthly Count	92,704	92,753	93,079	93,229	93,502	93,716	93,847	93,969	94,089	94,878	94,882	95,074
<b>FACTORS</b>												
Coincident Factor (CP)	0.305	0.328	0.249	0.319	0.396	0.457	0.465	0.443	0.331	0.454	0.352	0.287
Load Factor (Max) %	18.5%	19.1%	19.4%	17.9%	16.6%	19.5%	20.7%	21.8%	19.3%	19.1%	20.0%	20.2%
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Load Factor (CP) %	61.0%	58.4%	78.0%	56.1%	41.9%	42.8%	44.4%	48.7%	58.3%	42.1%	57.0%	70.5%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	1,167	1,159	1,136	1,135	1,211	1,491	1,539	1,608	1,383	1,215	1,039	1,152
Ind. Max Demand (kW)	8.60	8.30	8.00	8.70	10.00	10.50	10.20	10.20	9.80	8.70	7.10	7.80
Coincident Demand (kW)	2.62	2.72	2.00	2.77	3.96	4.80	4.74	4.52	3.25	3.95	2.50	2.24

<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	797.3	769.8	744.6	811.1	935.0	984.0	957.2	958.5	922.1	825.4	673.7	741.6
On-Peak	667.5	704.9	688.8	783.1	907.0	927.8	938.5	911.8	865.6	778.0	635.7	656.0
Off-Peak	760.2	732.7	689.8	661.9	850.9	880.9	891.5	892.7	837.4	730.6	616.7	684.5
<b>CLASS PEAK (MW)</b>												
On-Peak	398.6	408.1	418.9	475.5	589.1	665.4	666.3	657.8	639.8	559.8	398.5	380.3
Off-Peak	398.6	417.4	363.0	419.5	551.7	599.8	600.6	601.4	555.1	483.4	379.5	399.3
<b>COINCIDENT (MW)</b>												
System	243.1	252.2	185.7	258.6	370.4	449.4	445.1	424.9	305.9	375.1	236.8	212.9
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	15h@1700	8h@1700	15h@1700	15h@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	39,497	39,693	39,659	44,523	46,714	57,110	60,784	59,078	55,037	49,834	36,104	40,648
%	36.5%	36.9%	37.5%	42.1%	41.3%	40.9%	42.1%	39.1%	42.3%	43.2%	36.6%	37.1%
Off-Peak	66,678	67,830	66,059	61,315	66,507	82,618	83,621	91,872	75,080	65,467	62,440	68,873
%	63.5%	63.1%	62.5%	57.9%	58.7%	59.1%	57.9%	60.9%	57.7%	56.8%	63.4%	62.9%
Total	106,175	107,523	105,718	105,838	113,221	139,728	144,405	150,948	130,117	115,301	98,544	109,521
<b>CUSTOMERS</b>												
Monthly Count	92,704	92,753	93,079	93,229	93,502	93,716	93,847	93,969	94,089	94,878	94,882	95,074
<b>FACTORS</b>												
Coincident Factor (CP)	0.305	0.328	0.249	0.319	0.396	0.457	0.465	0.443	0.331	0.454	0.352	0.287
Load Factor (Max) %	18.5%	19.1%	19.4%	17.9%	16.6%	19.5%	20.7%	21.8%	19.3%	19.1%	20.0%	20.2%
Load Factor (NCP) %	37.2%	35.3%	34.6%	30.5%	26.3%	28.8%	29.7%	31.4%	27.9%	28.2%	33.9%	37.6%
Load Factor (CP) %												



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-32 \*\*\*  
21 - 100 kW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	831.5	845.5	837.5	890.1	978.4	1,080.9	1,052.4	1,065.0	1,013.2	925.6	785.2	792.6
On-Peak	771.3	787.0	804.0	864.9	963.8	1,035.5	1,035.5	1,042.9	998.4	906.9	749.8	740.3
Off-Peak	804.5	797.5	774.7	818.6	894.2	997.5	989.1	994.4	954.0	850.7	745.6	750.7
<b>CLASS PEAK (MW)</b>												
On-Peak	564.0	555.3	596.7	669.2	788.7	858.0	864.7	832.2	803.8	744.6	593.6	506.1
Off-Peak	564.7	582.4	546.5	610.2	723.4	803.1	822.5	783.7	748.8	678.1	529.0	506.1
<b>COINCIDENT (MW)</b>												
System	483.6	472.1	362.0	463.9	584.1	614.2	588.5	578.9	477.2	542.6	377.1	362.3
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1800	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	62,503	64,341	67,192	78,017	82,970	102,809	108,539	104,142	98,078	91,901	64,881	65,391
%	35.0%	34.8%	34.9%	38.5%	37.3%	37.5%	38.8%	35.8%	39.0%	40.1%	34.3%	35.1%
Off-Peak	116,069	120,503	125,445	124,722	139,679	170,771	171,341	188,430	153,274	137,168	124,145	128,280
%	65.0%	65.2%	65.1%	61.5%	62.7%	62.4%	61.2%	64.2%	61.0%	59.9%	65.7%	64.9%
Total	178,572	184,844	192,637	202,739	222,649	273,580	279,880	290,572	251,352	229,069	189,026	197,671
<b>CUSTOMERS</b>												
Monthly Count	20,735	20,876	20,937	21,043	21,089	21,133	21,090	21,068	21,152	20,800	20,827	20,912
<b>FACTORS</b>												
Coincident Factor (CF)	0.582	0.558	0.432	0.521	0.598	0.579	0.560	0.543	0.471	0.586	0.480	0.457
Load Factor (Max) %	29.4%	29.9%	31.5%	31.2%	31.2%	35.3%	36.4%	37.3%	34.0%	33.9%	33.0%	34.2%
Load Factor (NCP) %	41.8%	43.5%	44.2%	41.5%	38.7%	43.7%	44.3%	47.8%	42.8%	42.1%	43.6%	53.5%
Load Factor (CF) %	50.6%	53.6%	72.9%	59.9%	52.2%	61.0%	65.0%	66.8%	72.2%	57.8%	68.7%	74.7%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	8,612	8,854	9,201	9,635	10,558	12,946	13,271	13,792	11,883	11,013	9,076	9,453
Ind. Max Demand (kW)	40.10	40.50	40.00	42.30	46.30	50.20	49.90	50.60	47.90	44.50	37.70	37.90
Coincident Demand (kW)	23.32	22.61	17.29	22.05	27.70	29.06	27.95	27.48	22.56	26.09	18.11	17.32

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season		
1,065.0	890.1	1,066.0
1,042.9	864.9	1,042.9
997.5	818.6	997.5

Class Peak by Season		
864.7	698.2	864.7
822.5	610.2	822.5

Coincident Peak by Season		
614.2	483.6	614.2

Energy Summation by Season		
585,439	406,326	994,765
38.0%	35.5%	36.9%
958,863	739,163	1,697,828
62.0%	64.5%	63.1%
1,547,102	1,145,489	2,692,591

Customer Averages by Season		
21,065	20,888	20,972

Seasonal Factors		
0.576	0.543	0.576
33.1%	29.4%	28.8%
40.8%	38.1%	35.5%
59.9%	72.2%	62.1%

Seasonal Averages		
12,244	9,138	10,891
48.23	39.79	43.99
26.81	20.12	23.46





Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-32 \*\*\*  
101 - 400 kW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	816.0	828.3	839.1	885.0	979.6	984.8	998.8	1,037.7	995.9	879.7	781.5	767.7
On-Peak	767.5	788.2	815.7	872.3	968.8	974.4	982.7	1,024.1	973.7	857.2	758.0	728.1
Off-Peak	786.4	797.5	799.3	822.6	915.5	930.6	948.5	993.1	959.4	822.7	749.7	740.2
<b>CLASS PEAK (MW)</b>												
On-Peak	609.1	607.3	661.8	723.0	826.0	798.2	813.3	864.2	834.4	748.1	629.5	570.9
Off-Peak	620.7	618.9	633.7	678.4	769.9	764.8	789.4	822.4	796.0	700.4	598.7	569.0
<b>COINCIDENT (MW)</b>												
System	514.4	502.7	434.5	534.8	642.2	648.3	636.4	624.4	490.5	564.3	408.2	417.9
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	83,907	86,965	90,681	104,396	107,204	122,966	124,972	124,588	120,196	113,882	85,774	96,247
%	35.6%	35.7%	35.1%	38.1%	36.6%	36.0%	37.5%	35.3%	38.1%	38.9%	34.2%	35.8%
Off-Peak	151,749	156,598	167,557	169,401	185,686	218,983	208,163	228,326	194,988	176,928	184,848	172,447
%	64.4%	64.3%	64.9%	61.9%	63.4%	64.0%	62.5%	64.7%	61.9%	61.1%	65.8%	64.2%
Total	235,656	243,563	258,238	273,797	292,890	341,949	333,135	352,914	315,184	292,710	250,622	268,694
<b>CUSTOMERS</b>												
Monthly Count	4,618	4,684	4,680	4,695	4,712	4,712	4,693	4,702	4,738	4,596	4,605	4,664
<b>FACTORS</b>												
Coincident Factor (CP)	0.630	0.607	0.518	0.604	0.656	0.658	0.638	0.602	0.493	0.641	0.522	0.544
Load Factor (Max) %	39.6%	40.3%	42.2%	42.4%	41.0%	47.6%	45.8%	46.6%	43.4%	45.6%	43.9%	47.9%
Load Factor (NCP) %	52.0%	53.9%	53.5%	51.9%	48.6%	58.7%	56.1%	55.9%	51.7%	53.5%	54.5%	64.5%
Load Factor (CP) %	62.8%	66.4%	81.4%	70.1%	62.5%	72.3%	71.7%	77.4%	88.0%	71.1%	84.1%	88.1%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	51,030	52,222	55,179	58,317	62,158	72,570	70,986	75,050	66,523	63,688	54,424	57,610
Ind. Max Demand (kW)	176.70	177.60	179.30	188.50	207.90	209.00	212.40	220.70	210.20	191.40	169.70	164.60
Coincident Demand (kW)	111.39	107.78	92.84	113.91	136.29	137.58	135.61	132.79	103.52	122.78	88.64	89.60

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season		
1,037.7	885.0	1,037.7
1,024.1	872.3	1,024.1
993.1	822.6	993.1

Class Peak by Season		
864.2	723.0	864.2
822.4	678.4	822.4

Coincident Peak by Season		
648.3	534.8	648.3

Energy Summation by Season		
713,779	547,971	1,261,750
37.0%	35.8%	36.5%
1,214,974	982,599	2,197,573
63.0%	64.2%	63.5%
1,928,753	1,530,570	3,459,323

Customer Averages by Season		
4,892	4,664	4,673

Seasonal Factors		
0.625	0.604	0.625
42.4%	39.5%	38.1%
51.0%	48.3%	45.7%
69.2%	83.6%	62.1%

Seasonal Averages		
68,486	54,797	61,646
208.60	176.07	192.33
128.10	100.69	114.40





Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-32 \*\*\*  
401 - 998 kW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
On-Peak	543.0	557.3	570.4	584.9	612.1	633.7	635.3	851.4	614.2	558.0	524.6	522.8
Off-Peak	518.0	536.7	556.5	573.7	600.7	623.0	624.3	838.1	604.2	546.5	510.6	506.3
Off-Peak	528.2	538.3	547.7	563.4	588.1	614.9	615.5	832.4	595.2	533.8	510.7	506.5
<b>CLASS PEAK (MW)</b>												
On-Peak	423.2	455.1	471.1	475.0	536.8	543.8	533.8	555.2	534.3	470.8	427.0	417.9
Off-Peak	426.5	438.4	449.5	456.7	515.6	532.4	521.9	544.6	520.7	455.4	409.4	412.5
<b>COINCIDENT (MW)</b>												
System	372.7	364.7	359.3	390.6	453.4	455.1	440.5	442.4	339.3	397.5	301.7	324.1
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	1st@1700	6h@1700	1st@1700	1st@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	62,901	62,878	64,921	72,957	75,617	86,036	84,433	84,084	81,045	76,148	58,647	67,331
%	35.4%	35.3%	33.9%	36.3%	35.3%	35.0%	36.3%	33.9%	36.4%	37.2%	33.0%	35.3%
Off-Peak	114,763	115,443	126,692	127,871	138,305	159,917	148,055	163,815	141,429	128,551	119,305	123,174
%	64.6%	64.7%	66.1%	63.7%	64.7%	65.0%	63.7%	66.1%	63.6%	62.8%	67.0%	64.7%
Total	177,664	178,321	191,613	200,828	213,922	245,953	232,488	247,899	222,474	204,700	177,952	190,505
<b>CUSTOMERS</b>												
Monthly Count	930	934	936	943	950	945	939	956	954	902	895	912
<b>FACTORS</b>												
Coincident Factor (CP)	0.666	0.654	0.630	0.668	0.741	0.718	0.693	0.678	0.552	0.712	0.575	0.620
Load Factor (Max) %	44.8%	43.8%	46.0%	47.0%	47.9%	53.2%	50.1%	52.1%	49.6%	50.3%	46.5%	49.9%
Load Factor (NCP) %	57.1%	53.7%	55.7%	57.9%	54.6%	62.0%	59.7%	61.2%	57.0%	59.6%	57.1%	62.5%
Load Factor (CP) %	65.3%	67.0%	73.1%	70.4%	64.6%	74.0%	72.3%	75.8%	89.8%	70.5%	80.8%	80.5%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	191,037	190,922	204,715	212,867	225,181	260,268	247,591	259,308	233,201	226,940	198,829	208,887
Ind. Max Demand (kW)	583.90	596.70	609.40	620.30	644.30	670.60	676.60	681.40	643.80	618.60	566.20	573.20
Coincident Demand (kW)	400.75	390.47	383.87	414.21	477.26	481.59	469.12	462.78	355.66	440.69	337.09	355.37

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

<b>SUMMER</b> (May-Oct)	<b>WINTER</b> (Nov-Apr)	<b>ANNUAL</b>
Summation Ind Max by Season		
651.4	584.9	651.4
638.1	573.7	638.1
632.4	563.4	632.4
Class Peak by Season		
555.2	475.0	555.2
544.6	456.7	544.6
Coincident Peak by Season		
455.1	390.6	455.1
Energy Summation by Season		
487,363	399,534	876,897
36.8%	34.3%	35.3%
880,073	727,249	1,607,322
64.4%	65.1%	64.7%
1,367,436	1,116,883	2,484,319
Customer Averages by Season		
941	925	933
Seasonal Factors		
0.699	0.668	0.699
47.9%	43.6%	43.5%
66.2%	63.7%	61.1%
70.9%	78.7%	84.4%
Seasonal Averages		
242,082	201,226	221,654
665.88	594.96	626.42
447.85	380.29	414.07



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-32 \*\*\*  
1000+ kW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
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**SUMMATION IND MAX (MW)**

Non-Timed	232.1	238.9	238.1	248.2	254.7	276.5	276.4	272.8	271.7	261.1	249.9	238.3
On-Peak	222.1	231.8	234.1	244.1	252.0	272.1	273.8	270.7	268.4	259.7	238.5	232.9
Off-Peak	228.3	230.8	229.3	239.0	243.3	268.5	267.7	263.7	265.1	250.4	242.9	232.2

**CLASS PEAK (MW)**

On-Peak	183.2	196.4	201.1	203.3	221.5	240.5	238.9	239.6	237.0	221.0	199.0	197.6
Off-Peak	182.3	187.7	192.7	197.2	210.4	229.6	231.5	234.8	231.4	213.5	180.8	191.7

**COINCIDENT (MW)**

System	176.3	180.6	172.3	192.1	212.9	236.3	224.1	217.8	186.2	213.7	166.8	169.1
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900

**ENERGY (MWH)**

On-Peak	34,662	36,623	36,594	43,386	44,982	52,682	51,537	48,948	48,288	47,317	36,823	43,363
%	34.6%	34.6%	33.2%	35.5%	34.2%	33.9%	35.0%	32.5%	34.9%	35.9%	31.7%	34.7%
Off-Peak	65,414	69,249	77,680	78,752	86,387	102,822	95,708	103,982	90,103	84,418	79,186	81,794
%	65.4%	65.4%	66.8%	64.5%	65.8%	66.1%	65.0%	67.5%	65.1%	64.1%	68.3%	65.3%
Total	100,076	105,872	116,274	122,138	131,369	155,504	147,245	152,930	138,391	131,735	116,009	125,177

**CUSTOMERS**

Monthly Count	197	199	198	202	203	205	207	205	205	204	199	208
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All load factors are calculated based on 730 hours per month.

**FACTORS**

Coincident Factor (CP)	0.760	0.756	0.724	0.774	0.836	0.855	0.811	0.798	0.685	0.818	0.667	0.710
Load Factor (Max) %	59.1%	60.7%	66.9%	67.4%	70.6%	77.0%	73.0%	77.3%	69.8%	69.1%	63.6%	71.9%
Load Factor (NCP) %	74.8%	73.8%	79.2%	82.3%	81.3%	88.6%	84.4%	88.0%	80.0%	81.7%	79.9%	86.8%
Load Factor (CP) %	77.8%	80.3%	92.4%	87.1%	84.5%	90.1%	90.0%	96.8%	101.8%	84.4%	95.3%	101.4%

**CUSTOMER AVERAGES**

Energy Use (kWh)	508,000	532,020	587,242	604,644	647,136	758,556	711,329	750,780	675,078	645,760	582,960	601,813
Ind. Max Demand (kW)	1,178.20	1,200.70	1,202.50	1,228.50	1,254.80	1,348.90	1,335.40	1,330.70	1,325.50	1,280.00	1,256.00	1,145.80
Coincident Demand (kW)	894.92	907.54	870.20	950.99	1,048.77	1,152.88	1,082.61	1,061.48	908.29	1,047.55	838.19	812.98

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season

276.5	248.9	276.5
273.8	244.1	273.8
268.5	242.9	268.5

Class Peak by Season

240.5	203.3	240.5
234.8	197.2	234.8

Coincident Peak by Season

236.3	192.1	236.3
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Energy Summation by Season

294,756	233,470	528,225
34.3%	34.1%	34.2%
663,399	462,076	1,015,475
66.7%	65.9%	66.8%
858,154	685,646	1,543,700

Customer Averages by Season

205	201	203
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Seasonal Factors

0.855	0.769	0.856
70.9%	62.8%	63.7%
81.5%	77.0%	73.3%
87.4%	92.6%	78.6%

Seasonal Averages

688,107	569,446	633,777
1,312.65	1,201.95	1,257.25
1,050.23	879.14	964.68



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* Total General Service E-30, E-32 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	3,219.9	3,239.9	3,228.7	3,419.3	3,757.9	3,939.9	3,918.2	3,988.5	3,817.1	3,449.8	3,014.9	3,062.9
On-Peak	2,946.4	3,048.7	3,099.0	3,338.2	3,692.2	3,832.9	3,854.9	3,887.3	3,710.2	3,348.2	2,892.6	2,863.6
Off-Peak	3,105.7	3,096.8	3,038.8	3,105.6	3,492.0	3,692.5	3,712.4	3,776.3	3,611.1	3,188.1	2,865.6	2,914.2
<b>CLASS PEAK (MW)</b>												
On-Peak	2,151.9	2,161.9	2,338.6	2,538.2	2,943.2	3,079.7	3,088.4	3,084.4	2,991.6	2,744.5	2,234.8	2,028.8
Off-Peak	2,196.3	2,208.5	2,162.7	2,355.0	2,767.8	2,903.4	2,960.1	2,959.4	2,820.9	2,542.8	2,100.7	2,022.2
<b>COINCIDENT (MW)</b>												
System	1,790.1	1,772.3	1,513.8	1,840.0	2,263.0	2,403.3	2,335.6	2,288.2	1,798.8	2,093.2	1,490.6	1,486.3
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	1st@1700	6h@1700	1st@1700	1st@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	283,470	290,500	301,046	343,279	357,487	421,603	430,266	421,808	402,644	379,083	282,229	316,999
%	35.4%	35.4%	34.8%	37.9%	36.7%	36.4%	37.8%	35.3%	38.1%	38.9%	33.9%	35.6%
Off-Peak	516,873	529,823	563,434	562,061	616,564	735,111	706,887	774,408	654,874	594,432	549,924	574,569
%	64.6%	64.6%	65.2%	62.1%	63.3%	63.6%	62.2%	64.7%	61.9%	61.1%	66.1%	64.4%
Total	800,143	820,123	864,480	905,340	974,051	1,156,714	1,137,153	1,196,214	1,057,518	973,515	832,153	891,568
<b>CUSTOMERS</b>												
Monthly Count	119,184	119,426	119,830	120,112	120,456	120,711	120,776	120,900	121,136	121,380	121,408	121,770
<b>FACTORS</b>												
Coincident Factor (CP)	0.556	0.547	0.469	0.538	0.602	0.610	0.596	0.574	0.471	0.607	0.494	0.485
Load Factor (Max) %	34.0%	34.7%	36.7%	36.3%	35.5%	40.2%	38.8%	41.1%	38.0%	38.7%	37.8%	39.9%
Load Factor (NCP) %	49.9%	50.9%	50.6%	48.9%	45.3%	51.5%	50.4%	53.1%	48.4%	48.6%	51.0%	60.2%
Load Factor (CP) %	61.2%	63.4%	78.2%	67.4%	59.0%	65.9%	66.7%	71.6%	60.5%	63.7%	76.5%	82.2%
<b>CUSTOMER AVERAGES</b>												
Energy Use (KWh)	6,714	6,867	7,214	7,537	8,086	9,583	9,415	9,854	8,730	8,020	6,854	7,322
Ind. Max Demand (kW)	27.02	27.13	26.95	28.47	31.20	32.64	32.44	32.97	31.51	28.42	24.83	25.15
Coincident Demand (kW)	15.02	14.84	12.63	15.32	18.79	19.91	19.34	19.93	14.85	17.25	12.28	12.21
TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends												



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-32TOU\*\*\*  
0 - 20 kW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
On-Peak	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5
Off-Peak	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
<b>CLASS PEAK (MW)</b>												
On-Peak	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Off-Peak	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>COINCIDENT (MW)</b>												
System	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	1st@1700	6h@1700	1st@1700	1st@1800	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	53	43	48	64	71	91	99	98	102	50	37	44
%	31.9%	24.4%	24.3%	28.6%	29.0%	30.5%	31.5%	28.7%	31.0%	31.4%	26.6%	29.1%
Off-Peak	116	134	151	159	174	208	215	243	226	109	101	107
%	68.4%	75.6%	75.7%	71.4%	71.0%	69.5%	68.5%	71.3%	69.0%	68.6%	73.4%	70.9%
Total	169	177	199	223	245	299	314	341	328	159	138	151
<b>CUSTOMERS</b>												
Monthly Count	59	60	60	59	58	59	59	59	60	61	63	63

All load factors are calculated based on 730 hours per month.

<b>FACTORS</b>												
Coincident Factor (CP)	0.332	0.476	0.495	0.578	0.387	0.336	0.332	0.332	0.324	0.331	0.512	0.518
Load Factor (Max) %	38.5%	38.5%	45.0%	58.8%	65.0%	68.7%	71.5%	77.6%	72.7%	36.7%	32.3%	35.7%
Load Factor (NCP) %	49.0%	52.5%	55.4%	60.2%	70.6%	92.6%	97.2%	105.6%	104.0%	54.1%	46.2%	56.6%
Load Factor (CP) %	115.8%	80.8%	90.9%	101.8%	167.8%	204.8%	215.1%	235.6%	224.7%	108.9%	63.0%	68.9%

<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	2,864	2,950	3,317	3,780	4,224	5,068	5,322	5,780	5,467	2,607	2,190	2,397
Ind. Max Demand (kW)	10.20	10.50	10.10	8.80	8.90	10.10	10.20	10.20	10.30	9.90	9.30	9.20
Coincident Demand (kW)	3.39	5.00	5.00	5.08	3.45	3.39	3.39	3.39	3.33	3.28	4.76	4.76

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season		
0.6	0.6	0.6
0.6	0.6	0.6
0.6	0.6	0.6

Class Peak by Season		
0.5	0.5	0.5
0.5	0.5	0.5
0.5	0.5	0.5

Coincident Peak by Season		
0.2	0.3	0.3

Energy Summation by Season		
510	290	800
30.3%	27.4%	29.2%
1,176	767	1,943
69.7%	72.6%	70.8%
1,886	1,067	2,743

Customer Averages by Season		
59	61	60

Seasonal Factors		
0.324	0.476	0.324
62.3%	38.3%	48.7%
80.9%	47.6%	61.7%
192.5%	80.4%	156.6%

Seasonal Averages		
4,744	2,916	3,830
9.93	9.68	9.81
3.37	4.67	4.02



Load Research Cost of Service Data  
Test Year Ended December 31, 2008  
\*\*\* General Service E-32TOU\*\*\*  
21 - 100 kW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	5.2	5.3	5.3	5.2	5.6	5.2	5.3	5.2	5.3	5.0	4.5	4.6
On-Peak	4.8	5.2	5.1	5.1	5.3	4.8	5.1	4.8	4.8	4.6	4.1	4.0
Off-Peak	5.1	5.1	5.3	5.1	5.3	5.1	5.2	5.1	5.2	4.7	4.2	4.4
<b>CLASS PEAK (MW)</b>												
On-Peak	3.6	3.7	3.7	3.7	4.5	3.9	4.1	3.7	3.7	3.5	3.2	2.9
Off-Peak	3.6	3.4	3.5	3.5	4.1	3.9	3.9	3.7	3.9	3.2	3.0	2.8
<b>COINCIDENT (MW)</b>												
System	2.8	2.5	2.8	2.8	3.1	2.6	2.8	2.8	3.0	2.5	2.5	2.4
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	18h@1700	8h@1700	1st@1700	1st@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	511	560	579	598	667	719	788	726	743	745	514	592
%	32.0%	33.6%	33.1%	36.5%	34.3%	33.9%	35.3%	31.8%	35.1%	36.2%	30.9%	32.4%
Off-Peak	1,088	1,109	1,173	1,045	1,278	1,401	1,447	1,846	1,376	1,314	1,151	1,235
%	68.0%	66.4%	66.9%	63.5%	65.7%	66.1%	64.7%	68.1%	64.9%	63.8%	69.1%	67.6%
Total	1,599	1,669	1,752	1,644	1,946	2,120	2,235	2,271	2,119	2,059	1,665	1,827
<b>CUSTOMERS</b>												
Monthly Count	108	108	105	106	109	105	108	104	110	114	114	115
<b>FACTORS</b>												
Coincident Factor (CP)	0.535	0.470	0.526	0.611	0.554	0.501	0.526	0.502	0.571	0.504	0.559	0.527
Load Factor (Max) %	41.8%	42.9%	45.1%	43.0%	47.7%	58.0%	57.5%	60.1%	55.2%	56.9%	51.0%	55.0%
Load Factor (NCP) %	60.5%	62.3%	64.4%	57.0%	58.8%	73.8%	75.6%	83.1%	75.0%	80.3%	72.0%	87.1%
Load Factor (CP) %	78.2%	91.5%	85.7%	70.4%	86.0%	111.7%	109.3%	119.7%	96.8%	112.8%	91.2%	104.3%
<b>CUSTOMER AVERAGES</b>												
Energy Use (KWh)	14,806	15,454	16,686	15,509	17,853	20,190	20,694	21,837	19,264	18,061	14,605	15,887
Ind. Max Demand (kW)	48.50	49.30	50.70	49.40	51.30	49.40	49.30	49.30	47.80	43.50	39.20	39.60
Coincident Demand (kW)	25.93	23.15	26.67	30.19	28.44	24.76	25.93	25.00	27.27	21.93	21.93	20.87

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season

5.6	5.3	5.6
5.3	5.2	5.3
5.3	5.3	5.3

Class Peak by Season

4.5	3.9	4.5
4.1	4.0	4.1

Coincident Peak by Season

3.1	3.2	3.2
-----	-----	-----

Energy Summation by Season

4,387	3,356	7,743
34.4%	33.0%	33.8%
8,363	6,800	15,163
66.6%	67.0%	66.2%
12,760	10,156	22,906

Customer Averages by Season

108	109	109
-----	-----	-----

Seasonal Factors

0.554	0.501	0.554
52.1%	43.5%	46.8%
64.2%	68.5%	67.7%
104.0%	96.5%	93.4%

Seasonal Averages

19,650	15,491	17,571
48.52	46.12	47.32
25.56	24.79	25.17



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-32TOU\*\*\*  
101 - 400 KW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	7.7	8.0	8.0	7.9	8.7	8.4	7.9	8.0	7.6	8.4	7.4	6.9
On-Peak	5.8	6.2	5.9	6.1	6.6	7.4	6.7	6.9	6.9	7.1	6.0	5.9
Off-Peak	7.6	7.7	7.8	7.7	8.6	8.3	7.7	7.8	7.5	8.1	7.3	6.7
<b>CLASS PEAK (MW)</b>												
On-Peak	4.3	4.2	4.2	4.4	4.9	6.2	5.6	5.7	5.7	5.7	4.5	4.7
Off-Peak	6.0	6.1	5.8	5.7	6.2	6.7	5.9	5.8	5.6	6.2	5.2	5.3
<b>COINCIDENT (MW)</b>												
System	3.9	4.1	3.3	2.8	2.9	3.6	3.5	3.7	3.7	4.1	3.9	3.7
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	8th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	783	814	848	931	1,019	1,187	1,180	1,118	1,166	1,064	757	894
%	28.8%	28.0%	27.5%	30.7%	29.1%	29.8%	32.3%	29.3%	31.7%	32.3%	28.7%	31.9%
Off-Peak	1,933	2,087	2,231	2,096	2,482	2,795	2,475	2,698	2,516	2,230	1,882	1,909
%	71.2%	72.0%	72.5%	69.3%	70.9%	70.2%	67.7%	70.7%	68.3%	67.7%	71.3%	68.1%
Total	2,716	2,901	3,079	3,027	3,501	3,982	3,655	3,814	3,682	3,294	2,639	2,803
<b>CUSTOMERS</b>												
Monthly Count	44	43	44	44	45	45	42	43	45	50	49	50
<b>FACTORS</b>												
Coincident Factor (CP)	0.504	0.515	0.413	0.354	0.332	0.426	0.443	0.468	0.485	0.485	0.529	0.533
Load Factor (Max) %	48.1%	49.9%	52.8%	52.4%	54.9%	64.8%	63.3%	65.4%	66.1%	63.4%	49.1%	55.3%
Load Factor (NCP) %	61.7%	65.1%	72.5%	73.2%	77.6%	81.8%	85.2%	89.5%	88.2%	72.6%	70.0%	72.4%
Load Factor (CP) %	95.4%	96.9%	127.8%	148.1%	165.4%	151.5%	143.1%	141.2%	136.3%	110.1%	92.7%	103.6%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	61,727	67,465	69,977	68,795	77,800	88,489	87,024	88,698	81,822	65,880	53,857	56,060
Ind. Max Demand (kW)	175.90	185.20	181.70	180.00	194.10	187.60	188.20	185.80	169.50	168.90	150.40	138.80
Coincident Demand (kW)	88.64	95.35	75.00	63.64	64.44	80.00	83.33	86.05	82.22	82.00	79.59	74.00

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
8.7	8.0	8.7

Summation Ind Max by Season	
8.7	8.0

7.4	6.2	7.4
-----	-----	-----

8.6	7.8	8.6
-----	-----	-----

6.2	4.7	6.2
-----	-----	-----

6.7	6.1	6.7
-----	-----	-----

4.1	4.1	4.1
-----	-----	-----

6.734	5.026	11.760
30.7%	29.3%	30.1%

15.194	12.139	27.333
69.3%	70.7%	69.9%

21.928	17.165	39.093
--------	--------	--------

45	46	46
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0.469	0.513	0.469
-------	-------	-------

57.3%	49.0%	51.1%
-------	-------	-------

76.1%	64.2%	67.0%
-------	-------	-------

143.0%	105.9%	127.5%
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81.619	62.980	72.300
--------	--------	--------

182.35	168.87	176.51
--------	--------	--------

79.67	79.37	79.52
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Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-32TOU\*\*\*  
401 - 999 kW

Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
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SUMMATION IND MAX (MW)	Non-Timed										
	14.3	13.9	13.5	13.2	14.3	13.7	13.6	13.8	11.6	12.7	11.8
	13.5	13.3	12.9	13.0	13.6	13.2	12.5	13.5	11.4	11.7	10.9
On-Peak											
Off-Peak											
14.1	13.7	12.7	12.8	13.8	14.0	13.5	13.2	13.5	11.2	12.5	11.8

CLASS PEAK (MW)	On-Peak										
	12.1	12.1	11.1	12.5	13.3	13.2	11.8	11.8	10.0	9.9	9.8
	11.9	11.8	10.7	11.9	12.7	12.8	11.6	11.6	9.9	9.4	9.8
Off-Peak											

COINCIDENT (MW)	System										
	9.0	8.5	8.9	10.1	9.8	8.5	8.3	7.1	8.1	7.2	8.1
	18lh@0800	5lh@0800	25lh@2000	29lh@1800	19lh@1700	17lh@1700	31lh@1700	6lh@1700	15lh@1700	15lh@1600	15lh@1900

ENERGY (MWH)	On-Peak										
	1,801	1,727	1,753	2,101	1,950	2,318	2,121	2,108	1,862	1,494	1,768
	32.3%	31.8%	30.8%	33.5%	32.9%	31.8%	33.0%	30.4%	33.6%	29.1%	31.8%
Off-Peak											
Total											
3,772	3,699	3,939	4,173	3,985	4,978	4,300	4,835	4,141	3,676	3,640	3,798
67.7%	68.2%	69.2%	66.5%	67.1%	68.2%	67.0%	69.6%	66.9%	66.4%	70.9%	68.2%
5,573	5,426	5,692	6,274	5,935	7,296	6,421	5,943	6,190	5,538	5,134	5,566

CUSTOMERS	Monthly Count										
	22	22	21	22	21	22	21	21	22	22	22
	All load factors are calculated based on 730 hours per month.										

FACTORS	Coincident Factor (CP)										
	0.630	0.610	0.658	0.765	0.687	0.594	0.605	0.599	0.514	0.697	0.685
	53.4%	53.3%	57.7%	65.1%	57.0%	59.9%	64.1%	70.4%	61.4%	65.3%	64.5%
Load Factor (Max) %											
Load Factor (NCP) %											
Load Factor (CP) %											
62.9%	61.7%	70.1%	68.8%	61.2%	75.8%	74.3%	81.8%	71.9%	76.1%	70.9%	77.6%
84.8%	87.4%	87.6%	85.1%	83.0%	117.6%	106.0%	117.4%	119.4%	93.7%	97.7%	94.1%

CUSTOMER AVERAGES	Energy Use (kWh)										
	253,318	246,636	271,048	285,182	282,619	331,636	305,762	330,619	263,714	233,364	253,000
	649.30	633.40	643.90	600.50	679.40	649.90	653.70	643.40	627.50	577.40	537.60
Ind. Max Demand (kW)											
Coincident Demand (kW)											
409.09	386.36	423.81	459.09	466.67	386.36	395.24	385.71	322.73	395.71	327.27	368.18

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season		
14.3	14.3	14.3
13.8	13.5	13.6
14.0	14.1	14.1

Class Peak by Season		
13.3	12.5	13.3
12.8	11.9	12.8

Coincident Peak by Season		
9.8	10.1	10.1

Energy Summation by Season		
12,407	10,646	23,053
32.4%	31.6%	32.0%
25,916	23,019	48,935
67.6%	68.4%	68.0%
38,323	33,665	71,988

Customer Averages by Season		
21	22	22

Seasonal Factors		
0.685	0.707	0.685
61.2%	63.8%	61.5%
65.9%	61.5%	61.9%
105.4%	94.9%	99.0%

Seasonal Averages		
299,286	257,091	278,188
634.58	607.02	620.80
390.40	395.63	393.02





Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-32TOU\*\*\*  
1000+ kW

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	14.7	14.7	15.4	16.3	17.2	18.5	20.6	19.2	18.1	17.0	19.7	19.8
On-Peak	14.4	14.4	15.1	16.2	17.2	18.3	20.6	19.1	17.3	16.3	18.9	19.0
Off-Peak	14.5	14.4	15.1	16.0	16.8	18.0	20.3	18.6	17.6	16.6	19.4	19.5
<b>CLASS PEAK (MW)</b>												
On-Peak	12.7	12.0	12.6	14.2	15.5	16.5	18.5	17.0	15.4	14.4	16.4	15.5
Off-Peak	12.3	12.0	12.5	13.9	15.0	16.0	18.4	16.8	15.0	14.2	15.9	15.8
<b>COINCIDENT (MW)</b>												
System	11.5	11.5	11.4	13.6	14.8	15.4	17.9	15.9	13.0	13.8	14.5	13.9
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	2,438	2,239	2,336	2,874	2,938	2,970	3,102	2,889	2,878	2,768	3,072	3,156
%	32.3%	31.5%	30.5%	32.7%	31.7%	31.5%	32.7%	30.2%	32.6%	33.3%	29.7%	32.8%
Off-Peak	5,100	4,864	5,317	5,916	6,329	6,450	6,379	6,884	5,942	5,505	7,257	6,523
%	67.7%	68.5%	69.5%	67.3%	68.3%	68.5%	67.3%	69.8%	67.4%	66.7%	70.3%	67.4%
<b>Total</b>	<b>7,538</b>	<b>7,103</b>	<b>7,653</b>	<b>8,790</b>	<b>9,267</b>	<b>9,420</b>	<b>9,481</b>	<b>9,773</b>	<b>8,820</b>	<b>8,303</b>	<b>10,329</b>	<b>9,679</b>
<b>CUSTOMERS</b>												
Monthly Count	11	11	11	12	12	12	12	13	12	13	12	15
<b>FACTORS</b>												
Coincident Factor (CP)	0.781	0.782	0.742	0.832	0.859	0.834	0.867	0.828	0.719	0.810	0.735	0.700
Load Factor (Max) %	70.1%	66.2%	68.2%	73.7%	73.6%	69.9%	62.9%	65.3%	66.8%	66.7%	71.7%	66.8%
Load Factor (NCP) %	81.1%	80.9%	83.1%	85.1%	81.8%	78.1%	70.3%	77.1%	78.4%	78.7%	86.4%	83.7%
Load Factor (CP) %	89.8%	84.6%	92.0%	88.5%	85.8%	83.8%	72.8%	82.5%	92.9%	82.4%	97.6%	95.4%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	685,273	645,727	695,727	732,500	772,250	785,000	729,308	797,750	678,462	691,917	688,600	645,267
Ind. Max Demand (kW)	1,338.40	1,336.30	1,396.70	1,362.10	1,436.60	1,538.10	1,587.80	1,800.00	1,390.80	1,420.00	1,315.50	1,323.10
Coincident Demand (kW)	1,045.45	1,045.45	1,036.36	1,133.33	1,233.33	1,283.33	1,376.92	1,325.00	1,000.00	1,150.00	966.67	926.67

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
20.8	19.8	20.6

Summation Ind Max by Season	
20.8	19.8
20.6	19.0
20.3	19.5

Class Peak by Season	
18.5	16.4
18.4	16.9

Coincident Peak by Season	
17.9	14.5

Energy Summation by Season	
17,545	16,118
32.0%	31.5%
37,319	34,976
68.0%	65.5%
54,864	51,092

Customer Averages by Season	
12	13

Seasonal Factors	
0.867	0.731
60.7%	58.8%
67.8%	71.3%
70.0%	83.9%

Seasonal Averages	
742,448	682,182
1,495.52	1,345.36
1,228.10	1,026.66





Load Research Cost of Service Data  
Test Year Ended December 31, 2008  
\*\*\* Total General Service E-32TOU\*\*\*

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
48.2	44.9	48.2
Summation Ind Max by Season		
48.2	44.9	48.2
46.1	41.2	46.1
47.2	43.9	47.2
Class Peak by Season		
35.1	33.7	35.1
36.3	34.1	36.3
Coincident Peak by Season		
32.7	30.0	32.7
Energy Summation by Season		
41,883	36,433	77,016
32.1%	31.3%	31.7%
87,988	77,702	165,670
67.9%	66.7%	68.3%
129,661	113,136	242,886
Customer Averages by Season		
246	250	248
Seasonal Factors		
0.678	0.669	0.678
61.4%	57.6%	57.5%
76.6%	76.7%	70.9%
90.6%	91.0%	84.7%
Seasonal Averages		
87,824	76,424	81,824
187.05	173.35	180.20
121.97	111.99	116.98

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
SUMMATION IND MAX (MW)												
Non-Timed	42.6	42.6	42.8	43.2	46.3	47.0	48.2	49.5	45.4	42.7	44.9	43.7
On-Peak	39.1	39.6	39.5	40.9	43.1	43.9	46.1	43.8	43.0	40.0	41.2	40.3
Off-Peak	41.8	41.6	41.4	42.2	45.0	46.0	47.2	45.3	44.3	41.2	43.9	43.0
CLASS PEAK (MW)												
On-Peak	30.7	30.8	30.7	33.7	37.5	37.6	39.1	37.0	35.8	33.1	32.9	32.4
Off-Peak	31.9	32.1	30.4	34.1	37.9	37.5	38.3	37.2	35.1	32.6	32.0	31.9
COINCIDENT (MW)												
System	27.4	26.9	26.7	30.0	30.8	30.3	32.7	30.6	27.0	28.7	28.4	28.4
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	1h@1700	6h@1700	1s@1700	1s@1800	15h@1900
ENERGY (MWH)												
On-Peak	5,587	5,384	5,565	6,569	6,846	7,265	7,290	6,937	6,937	6,488	5,974	6,454
%	31.8%	31.2%	30.3%	32.9%	31.8%	31.5%	33.0%	30.2%	32.8%	33.5%	29.5%	32.2%
Off-Peak	12,009	11,892	12,810	13,389	14,248	15,832	14,816	16,065	14,202	12,865	14,031	13,572
%	68.2%	68.8%	69.7%	67.1%	68.2%	68.5%	67.0%	69.8%	67.2%	66.5%	70.5%	67.8%
Total	17,595	17,276	18,375	19,958	20,894	23,117	22,106	22,942	21,139	19,353	19,905	20,026
CUSTOMERS												
Monthly Count	244	244	241	243	245	243	243	239	250	258	263	265
FACTORS												
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.643	0.632	0.624	0.694	0.665	0.645	0.678	0.666	0.595	0.673	0.633	0.649
Load Factor (Max) %	56.6%	55.6%	58.8%	63.2%	61.8%	67.4%	62.8%	67.6%	63.8%	62.1%	60.8%	62.7%
Load Factor (NCP) %	75.6%	73.7%	82.0%	80.2%	75.5%	84.2%	77.4%	84.5%	80.9%	80.1%	82.9%	84.7%
Load Factor (CP) %	88.0%	88.0%	94.3%	91.1%	92.9%	104.5%	92.6%	103.0%	107.3%	92.4%	96.0%	96.6%
CUSTOMER AVERAGES												
Energy Use (kWh)	72,111	70,803	76,245	82,132	85,282	95,132	90,971	95,992	84,556	75,012	75,684	75,570
Ind. Max Demand (kW)	174.53	174.39	177.63	177.91	189.18	193.33	196.35	194.48	181.55	166.40	170.57	165.08
Coincident Demand (kW)	112.30	110.25	110.79	123.46	125.71	124.69	134.57	127.62	108.00	111.24	107.98	107.17

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



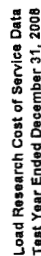
Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* General Service E-34 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b> Non-Timed	159.9	161.2	173.8	174.1	188.2	190.8	197.2	235.8	184.9	172.1	160.2	157.3
On-Peak	156.7	159.9	169.1	172.6	184.8	190.1	195.2	193.1	183.5	171.4	157.8	156.4
Off-Peak	157.0	156.2	167.6	166.6	181.8	184.4	193.2	220.6	180.5	165.6	154.2	151.4
<b>CLASS PEAK (MW)</b> On-Peak	138.9	141.3	153.0	159.5	188.4	177.8	178.4	177.3	171.1	160.7	146.5	133.6
Off-Peak	138.8	138.2	147.3	149.9	160.1	174.2	174.8	198.0	187.8	157.1	141.3	130.4
<b>COINCIDENT (MW)</b> System Time	124.5 18h@0800	120.7 5h@0800	142.2 25h@2000	151.2 29h@1800	181.4 19h@1700	177.8 17h@1700	168.8 31h@1700	168.8 1s@1700	149.5 9h@1700	157.2 1s@1700	134.9 1s@1800	118.5 15h@1900
<b>ENERGY (MWH)</b> On-Peak %	27,947 33.8%	28,513 33.5%	27,695 32.0%	31,870 34.6%	31,241 33.1%	32,487 32.8%	37,216 34.1%	35,776 31.2%	35,807 33.9%	34,005 34.7%	28,843 30.8%	29,363 33.5%
Off-Peak %	54,803 66.2%	56,667 66.5%	58,960 68.0%	59,973 65.4%	63,091 68.9%	66,448 67.2%	71,950 65.9%	74,393 68.8%	69,790 66.1%	64,130 65.3%	64,729 69.2%	58,184 66.5%
Total	82,750	85,180	86,655	91,843	94,302	98,945	109,166	108,168	105,597	98,135	93,572	87,547
<b>CUSTOMERS</b> Monthly Count	38	38	39	38	38	37	38	38	35	35	35	35
<b>FACTORS</b> Coincident Factor (CP)	0.779	0.749	0.818	0.868	0.858	0.932	0.860	0.739	0.809	0.914	0.842	0.753
Load Factor (Max) %	70.9%	72.4%	68.3%	72.1%	68.6%	71.0%	75.6%	65.9%	76.2%	78.1%	80.0%	76.3%
Load Factor (NCP) %	81.6%	82.9%	77.6%	78.7%	77.6%	76.2%	83.8%	75.0%	84.5%	83.6%	87.5%	89.7%
Load Factor (CP) %	91.0%	98.7%	83.5%	83.0%	80.0%	76.2%	86.2%	88.8%	96.8%	95.5%	95.0%	101.2%
<b>CUSTOMER AVERAGES</b> Energy Use (kWh)	2,177,932	2,241,579	2,221,923	2,411,958	2,481,632	2,674,189	2,872,789	3,004,597	3,017,057	2,803,857	2,673,498	2,501,343
Ind. Max Demand (kW)	4,208.00	4,241.50	4,455.40	4,582.20	4,953.10	5,156.40	5,160.10	5,273.10	5,283.00	4,915.90	4,577.90	4,483.40
Coincident Demand (kW)	3,276.32	3,176.32	3,646.15	3,978.95	4,247.37	4,805.41	4,463.16	4,833.33	4,271.43	4,481.43	3,854.29	3,365.71

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

<b>SUMMER</b> (May-Oct)	<b>WINTER</b> (Nov-Apr)	<b>ANNUAL</b>
225.8	174.1	225.8
195.2	172.6	195.2
220.6	167.6	220.6
Summation Ind Max by Season		
178.4	155.5	178.4
196.0	149.9	196.0
Class Peak by Season		
177.8	151.2	177.8
Coincident Peak by Season		
177.8	151.2	177.8
Energy Summation by Season		
204,541	174,031	378,572
33.3%	33.0%	33.2%
409,772	353,316	763,088
66.7%	67.0%	66.8%
514,313	527,347	1,141,660
Customer Averages by Season		
37	37	37
Seasonal Factors		
0.787	0.868	0.767
62.1%	69.1%	57.7%
71.6%	75.5%	66.5%
82.7%	101.6%	76.8%
Seasonal Averages		
2,809,032	2,371,270	2,590,151
5,295.27	4,426.40	4,860.83
4,485.35	3,552.96	4,019.15



\*\*\* General Service E-35 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>A</b>												
SUMMATION IND MAX (MW)	137.3	142.1	145.4	144.6	156.3	169.0	171.6	174.4	172.2	162.5	161.5	156.7
	Non-Timed											
	129.0	130.7	135.0	131.3	140.3	149.9	155.9	155.3	152.1	148.0	148.5	141.9
	On-Peak											
Oil-Peak	134.9	138.8	143.6	143.2	154.8	166.8	170.2	171.7	170.4	160.6	159.6	155.3
CLASS PEAK (MW)	119.3	120.7	124.6	119.0	127.3	140.1	143.0	145.5	139.3	138.0	138.6	130.6
	On-Peak											
	120.0	118.2	124.1	128.0	134.6	147.8	149.8	148.8	144.6	137.2	138.5	131.8
	Oil-Peak											
COINCIDENT (MW)	114.2	114.8	115.0	114.2	122.1	129.1	134.9	131.2	122.3	126.7	127.2	113.7
	System											
	18th@0800	5th@0800	25th@2000	28th@1800	19th@1700	17th@1700	31th@1700	13th@1700	6th@1700	19th@1700	19th@1800	15th@1900
	Time											
ENERGY (MWH)	23,869	25,772	25,676	24,197	24,092	25,766	30,209	24,845	28,823	28,513	25,493	25,625
	On-Peak											
	31.5%	33.5%	32.0%	31.0%	29.8%	28.2%	30.7%	28.1%	30.8%	31.5%	28.1%	31.2%
	%											
Oil-Peak	51.71%	51.22%	54.66%	53.80%	56.77%	62.66%	68.07%	65.09%	64.75%	61.93%	65.14%	55.38%
%	68.4%	66.5%	68.0%	69.0%	70.2%	70.8%	69.3%	71.9%	69.2%	68.5%	71.9%	68.8%
Total	75,580	76,994	80,339	78,005	80,867	88,454	98,284	87,740	93,576	90,444	90,635	82,009
CUSTOMERS Monthly Count	24	24	25	25	25	26	26	26	28	27	28	28
All load factors are calculated based on 730 hours per month.												
FACTORS Coincident Factor (CP)	0.831	0.808	0.791	0.780	0.781	0.764	0.766	0.752	0.710	0.780	0.787	0.726
Load Factor (Max) %	75.4%	74.2%	75.7%	73.9%	70.9%	71.7%	78.5%	68.9%	74.5%	76.3%	76.9%	71.7%
Load Factor (NCP) %	86.3%	87.4%	86.3%	83.5%	82.3%	82.0%	89.9%	80.8%	88.8%	88.8%	89.6%	85.2%
Load Factor (CPI) %	90.7%	91.9%	95.7%	93.6%	90.7%	93.9%	99.8%	97.9%	104.8%	97.8%	97.6%	98.8%
CUSTOMER AVERAGES Energy Use (kWh)												
Ind. Max Demand (kW)	3,149,167	3,208,063	3,213,560	3,120,200	3,234,680	3,402,077	3,780,154	3,374,615	3,342,000	3,349,778	3,336,984	2,828,893
Coincident Demand (kW)	5,722.60	5,920.60	5,818.40	5,784.60	6,253.60	6,498.30	6,599.00	6,708.40	6,149.00	6,017.40	5,769.90	5,596.50
	4,758.33	4,783.33	4,600.00	4,566.00	4,584.00	4,965.38	5,188.46	5,045.15	4,367.86	4,692.59	4,542.86	4,060.71
Seasonal Averages												
	3,413,884	3,208,063	3,213,560	3,120,200	3,234,680	3,402,077	3,780,154	3,374,615	3,342,000	3,349,778	3,336,984	2,828,893
	5,722.60	5,920.60	5,818.40	5,784.60	6,253.60	6,498.30	6,599.00	6,708.40	6,149.00	6,017.40	5,769.90	5,596.50
	4,758.33	4,783.33	4,600.00	4,566.00	4,584.00	4,965.38	5,188.46	5,045.15	4,367.86	4,692.59	4,542.86	4,060.71
Seasonal Averages												
	3,413,884	3,208,063	3,213,560	3,120,200	3,234,680	3,402,077	3,780,154	3,374,615	3,342,000	3,349,778	3,336,984	2,828,893
	5,722.60	5,920.60	5,818.40	5,784.60	6,253.60	6,498.30	6,599.00	6,708.40	6,149.00	6,017.40	5,769.90	5,596.50
	4,758.33	4,783.33	4,600.00	4,566.00	4,584.00	4,965.38	5,188.46	5,045.15	4,367.86	4,692.59	4,542.86	4,060.7

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm M-F	9 pm - 11 am M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 1 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Lined	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.6
On-Peak	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.6
Off-Peak	0.6	0.6	0.6	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.6
<b>CLASS PEAK (MW)</b>												
On-Peak	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.6
Off-Peak	0.6	0.6	0.6	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.6
<b>COINCIDENT (MW)</b>												
System	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.7	0.7	0.6
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	15h@1700	6h@1700	1st@1700	1st@1800	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	111	96	81	105	126	142	167	128	156	146	104	115
%	30.9%	29.2%	29.1%	30.1%	31.3%	30.9%	32.8%	23.8%	32.3%	32.7%	28.2%	30.5%
Off-Peak	247	232	199	245	278	316	341	306	328	300	266	261
%	69.1%	70.8%	70.9%	69.9%	68.7%	69.1%	67.2%	70.1%	67.7%	67.3%	71.8%	69.5%
Total	358	328	280	350	404	458	508	434	484	446	370	376
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>												
Coincident Factor (CP)	0.783	0.800	0.783	0.783	0.829	0.900	0.789	0.938	0.975	0.943	0.829	0.967
Load Factor (Max) %	81.7%	74.9%	63.9%	79.9%	79.1%	78.4%	77.3%	74.3%	82.9%	87.3%	72.4%	85.8%
Load Factor (NCP) %	81.7%	74.9%	63.9%	79.9%	79.1%	78.4%	77.3%	74.3%	82.9%	87.3%	72.4%	85.8%
Load Factor (CP) %	104.3%	93.6%	81.6%	12.3%	95.4%	87.1%	98.0%	79.8%	85.0%	92.6%	87.4%	88.9%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	358,000	328,000	280,000	350,000	404,000	458,000	508,000	434,000	484,000	446,000	370,000	376,000
Ind. Max Demand (kW)	600.00	600.00	600.00	600.00	700.00	800.00	900.00	800.00	800.00	700.00	700.00	600.00
Coincident Demand (kW)	470.00	480.00	470.00	3,900.00	580.00	720.00	710.00	760.00	780.00	860.00	580.00	580.00

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
0.9	0.7	0.9

Summation Ind Max by Season

0.9	0.7	0.9
0.9	0.7	0.9
0.8	0.7	0.8

Class Peak by Season

0.9	0.7	0.9
0.8	0.7	0.8

Coincident Peak by Season

0.8	0.7	0.8
-----	-----	-----

Energy Summation by Season

865	612	1,477
31.8%	26.7%	30.8%
1,869	1,450	3,319
68.4%	70.3%	69.2%
2,734	2,062	4,796

Customer Averages by Season

1	1	1
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Seasonal Factors

0.867	5.571	0.867
69.4%	67.3%	60.8%
69.4%	67.3%	60.8%
67.9%	81.2%	77.1%

Seasonal Averages

455,667	343,667	399,667
783.33	616.67	700.00
700.00	1,080.00	890.00



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 2 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Peak	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Peak	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>CLASS PEAK (MW)</b>												
On-Peak	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Peak	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>COINCIDENT (MW)</b>												
System	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1800	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	1	1	0	0	0	0	0	0	0	0	0	0
%	25.9%	22.8%	18.5%	55.9%	19.3%	80.0%	75.0%	50.8%	70.4%	0.0%	51.9%	28.6%
Off-Peak	4	2	0	0	0	0	0	0	0	0	0	0
%	74.1%	77.2%	81.5%	44.1%	80.2%	20.0%	25.0%	49.2%	29.6%	0.0%	48.1%	71.4%
Total	5	3	0	0	0	0	0	0	0	0	0	0
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>												
Coincident Factor (CP)	#DIV/0!	0.000	0.000	0.000	#DIV/0!	#DIV/0!	#DIV/0!	0.000	#DIV/0!	#DIV/0!	0.000	#DIV/0!
Load Factor (Max) %	#DIV/0!	4.1%	0.0%	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	1.4%	#DIV/0!	#DIV/0!	0.0%	#DIV/0!
Load Factor (NCP) %	#DIV/0!	4.1%	0.0%	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	1.4%	#DIV/0!	#DIV/0!	0.0%	#DIV/0!
Load Factor (CP) %	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	5,000	3,000	0	400	200	0	0	0	0	0	0	2,000
Ind. Max Demand (kW)	0.00	100.00	100.00	100.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00	0.00
Coincident Demand (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends

<b>SUMMER</b>	<b>WINTER</b>	<b>ANNUAL</b>
(May-Oct)	(Nov-Apr)	
<b>Summation Ind Max by Season</b>		
0.1	0.1	0.1
0.1	0.1	0.1
0.1	0.1	0.1
<b>Class Peak by Season</b>		
0.1	0.1	0.1
0.1	0.1	0.1
<b>Coincident Peak by Season</b>		
0.0	0.0	0.0
<b>Energy Summation by Season</b>		
1	3	3
46.6%	26.7%	28.6%
1	8	8
54.4%	73.3%	71.4%
1	10	12
<b>Customer Averages by Season</b>		
1	1	1
<b>Seasonal Factors</b>		
0.000	0.000	0.000
0.3%	2.4%	1.3%
0.3%	2.4%	1.3%
#DIV/0!	#DIV/0!	#DIV/0!
<b>Seasonal Averages</b>		
200	1,733	967
16.67	66.67	41.67
0.00	0.00	0.00



\*\*\* CUSTOMER #3 \*\*\*

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 6 pm M-F	9 am - 11 am M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 4 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	4.3	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	5.3	5.3
On-Peak	4.3	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	5.3	5.3
Off-Peak	4.3	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	5.2	5.3
<b>CLASS PEAK (MW)</b>												
On-Peak	4.3	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	5.3	5.3
Off-Peak	4.3	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	5.2	5.3
<b>COINCIDENT (MW)</b>												
System	3.6	3.8	4.2	4.0	3.9	3.8	4.1	4.1	4.0	4.1	4.1	4.1
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1800	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	852	829	806	864	831	852	830	808	842	934	804	761
%	32.6%	34.2%	31.6%	34.2%	35.8%	35.1%	37.1%	31.1%	35.6%	34.8%	30.8%	30.4%
Off-Peak	1,762	1,595	1,744	1,662	1,490	1,575	1,407	1,791	1,523	1,749	1,806	1,768
%	67.4%	65.8%	68.4%	65.8%	64.2%	64.9%	62.9%	68.9%	64.4%	65.2%	69.2%	69.6%
Total	2,614	2,424	2,550	2,526	2,321	2,427	2,237	2,599	2,365	2,683	2,610	2,569
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>												
Coincident Factor (CP)	0.837	0.905	0.977	0.930	0.907	0.864	0.932	0.932	0.909	0.932	0.774	0.774
Load Factor (Max) %	83.3%	79.1%	81.2%	80.5%	73.9%	75.6%	69.6%	80.9%	73.6%	83.5%	67.5%	66.4%
Load Factor (NCP) %	83.3%	79.1%	81.2%	80.5%	73.9%	75.6%	69.6%	80.9%	73.6%	83.5%	67.5%	66.4%
Load Factor (CP) %	99.5%	87.4%	83.2%	86.5%	81.5%	87.5%	74.7%	86.8%	81.0%	89.6%	87.2%	85.8%
<b>CUSTOMER AVERAGES</b>												
Energy Use (KWh)	2,614,000	2,424,000	2,550,000	2,526,000	2,321,000	2,427,000	2,237,000	2,599,000	2,365,000	2,683,000	2,610,000	2,569,000
Ind. Max Demand (kW)	4,300.00	4,200.00	4,300.00	4,300.00	4,300.00	4,400.00	4,400.00	4,400.00	4,400.00	4,400.00	5,300.00	5,300.00
Coincident Demand (kW)	3,600.00	3,800.00	4,200.00	4,000.00	3,900.00	3,800.00	4,100.00	4,100.00	4,000.00	4,100.00	4,100.00	4,100.00

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
<b>Summation Ind Max by Season</b>		
4.4	5.3	5.3
4.4	5.3	5.3
4.4	5.3	5.3
<b>Class Peak by Season</b>		
4.4	5.3	5.3
4.4	5.3	5.3
<b>Coincident Peak by Season</b>		
4.1	4.2	4.2
<b>Energy Summation by Season</b>		
5,097	4,936	10,032
34.8%	32.3%	33.5%
9,535	10,357	19,893
65.2%	67.7%	66.5%
14,632	15,293	29,925
<b>Customer Averages by Season</b>		
1	1	1
<b>Seasonal Factors</b>		
0.932	0.792	0.932
75.9%	65.9%	64.5%
75.9%	65.9%	64.5%
81.5%	66.2%	83.3%
<b>Seasonal Averages</b>		
2,438,667	2,548,833	2,493,750
4,383.33	4,816.67	4,500.00
4,000.00	3,966.67	3,983.33



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 5 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	12.8	13.7	13.6	13.6	13.6	19.3	13.0	13.5	14.9	15.0	15.3	10.1
On-Peak	12.0	13.0	13.1	13.0	14.1	12.8	13.2	14.0	15.0	15.3	11.5	9.8
Off-Peak	12.8	13.7	13.6	13.6	15.3	13.0	13.5	14.9	14.6	14.4	12.3	10.1
<b>CLASS PEAK (MW)</b>												
On-Peak	12.0	13.0	13.1	13.0	14.1	12.8	13.2	14.0	15.0	15.3	11.5	9.8
Off-Peak	12.8	13.7	13.6	13.6	15.3	13.0	13.5	14.9	14.6	14.4	12.3	10.1
<b>COINCIDENT (MW)</b>												
System	8.2	5.1	9.0	8.0	11.3	10.3	9.5	11.6	9.9	8.5	9.1	6.4
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	1st@1700	6h@1700	1st@1700	1st@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	1,546	1,741	1,674	1,782	1,963	1,708	1,849	1,913	2,094	2,099	1,431	1,562
%	28.6%	27.9%	26.3%	29.6%	27.8%	28.3%	28.6%	27.0%	29.0%	31.6%	26.7%	28.9%
Off-Peak	3,858	4,500	4,692	4,238	5,098	4,328	4,616	5,172	5,128	4,542	3,927	3,844
%	71.4%	72.1%	73.7%	70.4%	72.2%	71.7%	71.4%	73.0%	71.0%	68.4%	73.3%	71.1%
Total	5,404	6,241	6,366	6,020	7,061	6,036	6,465	7,085	7,222	6,641	5,358	5,406
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>												
Coincident Factor (CP)	0.641	0.372	0.662	0.588	0.739	0.792	0.704	0.779	0.660	0.556	0.740	0.634
Load Factor (Max) %	57.8%	62.4%	64.1%	60.6%	63.2%	63.6%	65.6%	65.1%	66.0%	59.5%	59.7%	73.3%
Load Factor (NCP) %	57.8%	62.4%	64.1%	60.6%	63.2%	63.6%	65.6%	65.1%	66.0%	59.5%	59.7%	73.3%
Load Factor (CP) %	90.3%	167.6%	96.9%	103.1%	85.6%	80.3%	93.2%	83.7%	99.9%	107.0%	80.7%	115.7%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	5,404,000	6,241,000	6,366,000	6,020,000	7,061,000	6,036,000	6,465,000	7,085,000	7,222,000	6,641,000	5,358,000	5,406,000
Ind. Max Demand (kW)	12,800.00	13,700.00	13,600.00	13,600.00	15,300.00	13,000.00	13,500.00	14,900.00	15,000.00	15,300.00	12,300.00	10,100.00
Coincident Demand (kW)	8,200.00	5,100.00	9,000.00	8,000.00	11,300.00	10,300.00	9,500.00	11,600.00	9,900.00	8,500.00	9,100.00	6,400.00
<b>SEASONAL AVERAGES</b>												
Energy Use (kWh)	6,761,667	5,799,167	6,275,417	6,275,417	6,275,417	6,275,417	6,275,417	6,275,417	6,275,417	6,275,417	6,275,417	6,275,417
Ind. Max Demand (kW)	14,500.00	12,683.33	13,591.67	13,591.67	13,591.67	13,591.67	13,591.67	13,591.67	13,591.67	13,591.67	13,591.67	13,591.67
Coincident Demand (kW)	10,183.33	7,633.33	8,908.33	8,908.33	8,908.33	8,908.33	8,908.33	8,908.33	8,908.33	8,908.33	8,908.33	8,908.33

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends





Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 6 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	24.2	27.7	27.7	27.7	8.6	26.6	23.6	22.8	28.8	28.3	30.0	34.2
On-Peak	24.2	27.1	27.1	27.7	6.7	26.6	23.6	20.7	23.1	23.2	29.9	34.2
Off-Peak	24.2	27.7	27.7	27.7	8.6	25.1	22.8	28.8	28.3	30.0	33.3	33.8
<b>CLASS PEAK (MW)</b>												
On-Peak	24.2	27.1	27.7	27.7	6.7	26.6	23.6	20.7	23.1	23.2	29.9	34.2
Off-Peak	24.2	27.7	27.7	27.7	8.6	25.1	22.8	28.8	28.3	30.0	33.3	33.8
<b>COINCIDENT (MW)</b>												
System	19.6	1.2	2.1	2.1	2.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	1,530	1,586	1,432	382	1,584	2,103	2,972	2,924	3,542	3,232	2,785	5,377
%	30.6%	33.2%	27.4%	29.6%	30.3%	30.2%	28.8%	24.8%	29.7%	33.0%	26.6%	32.4%
Off-Peak	3,471	3,191	3,796	907	3,645	4,861	7,348	9,818	8,385	6,563	7,685	11,220
%	69.4%	0.0%	0.0%	70.4%	69.7%	69.8%	71.2%	75.1%	70.3%	0.0%	73.4%	67.6%
Total	5,001	4,777	5,228	1,289	5,229	6,964	10,320	11,742	11,927	9,795	10,470	16,597
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
All load factors are calculated based on 730 hours per month.												
<b>FACTORS</b>												
Coincident Factor (CP)	0.810	0.043	0.076	0.337	0.154	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Load Factor (Max) %	28.3%	23.6%	25.9%	20.5%	26.9%	40.4%	62.0%	55.9%	57.7%	44.7%	41.9%	67.3%
Load Factor (NCP) %	28.3%	23.6%	25.9%	20.5%	26.9%	40.4%	62.0%	55.9%	57.7%	44.7%	41.9%	67.3%
Load Factor (CP) %	35.0%	545.3%	341.0%	60.9%	174.7%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	5,001,000	4,777,000	5,228,000	1,289,000	5,229,000	6,964,000	10,320,000	11,742,000	11,927,000	9,795,000	10,470,000	16,597,000
Ind. Max Demand (kW)	24,200.00	27,700.00	27,700.00	8,600.00	26,600.00	23,600.00	22,800.00	28,800.00	28,300.00	30,000.00	34,200.00	33,800.00
Coincident Demand (kW)	19,600.00	1,200.00	2,100.00	2,900.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
Summation Ind Max by Season		
30.0	34.2	34.2
28.9	34.2	34.2
30.0	33.8	33.8
Class Peak by Season		
28.9	34.2	34.2
30.0	33.8	33.8
Coincident Peak by Season		
4.1	19.6	19.6
Energy Summation by Season		
16,368	13,093	29,461
29.2%	30.2%	29.6%
39,619	30,269	69,888
70.8%	68.8%	70.4%
65,977	43,362	99,339
Customer Averages by Season		
1	1	1
Seasonal Factors		
0.137	0.573	0.137
42.8%	28.9%	33.2%
42.8%	28.9%	33.2%
#DIV/0!	#DIV/0!	#DIV/0!
Seasonal Averages		
9,329,500	7,227,000	8,278,250
26,683.33	26,033.33	26,368.33
683.33	4,300.00	2,481.67



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 7 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	1.4	1.4	1.4	1.4	1.4	1.4	2.4	1.6	1.3	1.3	1.6	1.3
On-Peak	1.4	1.3	1.3	1.3	1.3	2.4	2.4	1.4	1.3	1.3	1.5	1.3
Off-Peak	1.4	1.4	1.4	1.4	1.4	1.4	2.4	1.6	1.3	1.3	1.6	1.3
<b>CLASS PEAK (MW)</b>												
On-Peak	1.4	1.3	1.3	1.3	1.3	1.3	2.4	1.4	1.3	1.3	1.5	1.3
Off-Peak	1.4	1.4	1.4	1.4	1.4	1.4	2.4	1.6	1.3	1.3	1.6	1.3
<b>COINCIDENT (MW)</b>												
System	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1800	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	52	48	52	52	81	85	88	65	66	63	65	63
%	51.6%	51.1%	41.5%	54.4%	44.4%	44.5%	42.8%	38.5%	37.2%	40.1%	44.3%	41.9%
Off-Peak	48	45	74	68	68	105	118	104	95	81	87	58
%	48.4%	48.9%	58.5%	45.6%	55.5%	55.5%	57.2%	61.5%	62.8%	55.7%	58.1%	48.8%
Total	100	93	126	120	149	190	206	169	161	146	150	117
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>												
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.000	0.000	0.000	0.000	0.000	0.000	0.083	0.000	0.000	0.000	0.000	0.000
Load Factor (Max) %	9.8%	9.1%	12.3%	14.6%	18.6%	18.6%	11.8%	14.5%	18.7%	16.6%	12.5%	12.3%
Load Factor (NCP) %	9.8%	9.1%	12.3%	14.6%	18.6%	18.6%	11.8%	14.5%	18.7%	16.6%	12.5%	12.3%
Load Factor (CP) %	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	14.1%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	100,000	93,000	126,000	149,000	190,000	206,000	189,000	177,000	158,000	146,000	150,000	117,000
Ind. Max Demand (kW)	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00	2,400.00	1,600.00	1,360.00	1,300.00	1,800.00	1,600.00	1,300.00
Coincident Demand (kW)	0.00	0.00	0.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season		
2.4	1.6	2.4
2.4	1.4	2.4
2.4	1.6	2.4

Class Peak by Season		
2.4	1.4	2.4
2.4	1.6	2.4

Coincident Peak by Season		
0.2	0.0	0.2

Energy Summation by Season		
432	364	786
41.3%	48.2%	44.1%
614	381	995
58.7%	51.8%	55.9%
1,046	735	1,781

Customer Averages by Season		
1	1	1

Seasonal Factors		
0.083	0.000	0.083
10.0%	10.5%	8.5%
10.0%	10.5%	8.5%
#DIV/0!	#DIV/0!	#DIV/0!

Seasonal Averages		
174,333	122,500	148,417
1,600.00	1,416.67	1,508.33
33.33	0.00	16.67



\*\*\* CUSTOMER # 8 \*\*\*

[illegible]

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 9 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	7.2	6.7	6.6	6.6	6.6	7.0	7.5	7.9	7.6	7.4	6.9	6.3
On-Peak	7.2	6.7	6.3	6.3	6.5	7.0	7.5	7.8	7.6	7.4	6.9	6.3
Off-Peak	7.1	6.6	6.6	6.6	6.6	7.0	7.4	7.9	7.4	7.3	6.9	6.3
<b>CLASS PEAK (MW)</b>												
On-Peak	7.2	6.7	6.3	6.3	6.5	7.0	7.5	7.8	7.6	7.4	6.9	6.3
Off-Peak	7.1	6.6	6.6	6.6	6.6	7.0	7.4	7.9	7.4	7.3	6.9	6.3
<b>COINCIDENT (MW)</b>												
System	6.1	5.7	4.4	4.4	6.5	6.0	7.2	7.0	6.9	5.5	5.5	0.2
Time	18h@0800	5h@0800	25h@2000	29h@1800	19h@1700	17h@1700	31h@1700	15h@1700	8h@1700	15h@1700	15h@1600	15h@1900
<b>ENERGY (MWH)</b>												
On-Peak	1,405	1,219	1,032	998	1,236	1,292	1,482	1,342	1,218	876	873	666
%	31.5%	30.3%	28.3%	28.2%	34.7%	31.5%	34.2%	31.5%	32.2%	32.8%	34.2%	33.9%
Off-Peak	3,041	2,805	2,616	2,541	2,325	2,811	2,813	2,904	2,564	1,796	1,680	1,298
%	68.4%	69.7%	71.7%	71.8%	65.3%	68.5%	65.8%	68.4%	67.8%	67.2%	65.8%	66.1%
Total	4,446	4,024	3,648	3,539	3,561	4,103	4,275	4,246	3,782	2,672	2,553	1,964
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>												
Coincident Factor (CP)	0.847	0.851	0.667	0.985	0.857	0.960	0.886	0.908	0.743	0.797	0.032	0.817
Load Factor (Max) %	84.6%	82.3%	75.7%	73.5%	69.7%	74.9%	74.1%	76.5%	70.0%	53.0%	55.5%	44.9%
Load Factor (NCP) %	84.6%	82.3%	75.7%	73.5%	69.7%	74.9%	74.1%	76.5%	70.0%	53.0%	55.5%	44.9%
Load Factor (CP) %	99.8%	96.7%	113.6%	74.6%	81.3%	78.1%	83.7%	84.3%	94.2%	66.6%	1748.6%	54.9%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	4,446,000	4,024,000	3,648,000	3,539,000	3,561,000	4,103,000	4,275,000	4,246,000	3,782,000	2,672,000	2,553,000	1,964,000
Ind. Max Demand (kW)	7,200.00	6,700.00	6,600.00	6,600.00	7,000.00	7,500.00	7,900.00	7,600.00	7,400.00	6,900.00	6,300.00	6,000.00
Coincident Demand (kW)	6,100.00	5,700.00	4,400.00	6,500.00	6,000.00	7,200.00	7,000.00	6,900.00	5,500.00	5,500.00	200.00	4,900.00
<b>SEASONAL FACTORS</b>												
0.911	0.903	0.911	0.911	0.903	0.911	0.903	0.911	0.903	0.911	0.903	0.911	0.911
65.4%	64.0%	65.4%	64.0%	65.4%	64.0%	65.4%	64.0%	65.4%	64.0%	65.4%	64.0%	65.4%
66.4%	64.0%	66.4%	64.0%	66.4%	64.0%	66.4%	64.0%	66.4%	64.0%	66.4%	64.0%	66.4%
73.5%	64.0%	73.5%	64.0%	73.5%	64.0%	73.5%	64.0%	73.5%	64.0%	73.5%	64.0%	73.5%
<b>SEASONAL AVERAGES</b>												
3,773,167	3,362,333	3,773,167	3,362,333	3,773,167	3,362,333	3,773,167	3,362,333	3,773,167	3,362,333	3,773,167	3,362,333	3,773,167
7,383.33	6,566.67	7,383.33	6,566.67	7,383.33	6,566.67	7,383.33	6,566.67	7,383.33	6,566.67	7,383.33	6,566.67	7,383.33
6,350.00	4,633.33	6,350.00	4,633.33	6,350.00	4,633.33	6,350.00	4,633.33	6,350.00	4,633.33	6,350.00	4,633.33	6,350.00

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 10 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	5.9	2.4	5.9	8.0	6.0	6.3	6.3	7.2	8.0	6.7	6.5	5.4
On-Peak	3.4	2.4	3.4	5.1	3.7	3.5	3.7	4.5	3.3	3.8	1.6	5.0
Off-Peak	5.9	2.4	5.9	8.0	6.0	6.3	6.3	7.2	8.0	6.7	6.5	5.4
<b>CLASS PEAK (MW)</b>												
On-Peak	3.4	2.4	3.4	5.1	3.7	3.5	3.7	4.5	3.3	3.8	1.6	5.0
Off-Peak	5.9	2.4	5.9	8.0	6.0	6.3	6.3	7.2	8.0	6.7	6.5	5.4
<b>COINCIDENT (MW)</b>												
System	0.0	1.0	1.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.5
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	15th@1700	6th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	193	197	223	163	257	156	21	53	73	31	203	256
%	19.4%	29.5%	24.1%	12.4%	26.1%	14.1%	2.7%	19.1%	7.5%	3.7%	25.7%	30.7%
Off-Peak	801	470	704	1,155	727	947	762	223	904	796	585	577
%	80.6%	70.5%	75.9%	87.6%	73.9%	85.9%	97.3%	80.9%	92.5%	96.3%	74.3%	69.3%
Total	994	667	927	1,318	984	1,103	773	276	977	827	788	833
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>												
Coincident Factor (CP)	0.000	0.417	0.169	0.413	0.000	0.000	0.000	0.000	0.000	0.000	0.246	0.648
Load Factor (Max) %	23.1%	38.1%	21.5%	22.6%	22.5%	24.0%	16.8%	5.3%	16.7%	16.9%	16.6%	21.1%
Load Factor (NCP) %	23.1%	38.1%	21.5%	22.6%	22.5%	24.0%	16.8%	5.3%	16.7%	16.9%	16.6%	21.1%
Load Factor (CP) %	#DIV/0!	91.4%	127.0%	54.7%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	67.5%	32.6%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	994,000	667,000	927,000	1,318,000	984,000	1,103,000	773,000	276,000	977,000	827,000	788,000	833,000
Ind. Max Demand (kW)	5,900.00	2,400.00	5,900.00	8,000.00	6,000.00	6,300.00	6,300.00	7,200.00	8,000.00	6,700.00	6,500.00	5,400.00
Coincident Demand (kW)	0.00	1,000.00	1,000.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	1,600.00	3,500.00

TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 11 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
<b>SUMMATION IND MAX (MW)</b>															
Non-Timed	12.1	12.6	13.3	10.6	18.0	19.0	18.4	0.0	0.0	6.4	14.4	14.5	19.0	14.5	19.0
On-Peak	12.1	8.1	6.8	9.8	9.2	5.2	0.0	0.0	0.0	6.4	8.4	9.6	9.2	12.1	12.1
Off-Peak	9.3	12.6	13.3	10.6	16.0	19.0	18.4	0.0	0.0	0.0	14.4	14.5	19.0	14.5	19.0
<b>CLASS PEAK (MW)</b>															
On-Peak	12.1	8.1	6.8	9.8	9.2	5.2	0.0	0.0	0.0	6.4	8.4	9.6	9.2	12.1	12.1
Off-Peak	9.3	12.6	13.3	10.6	16.0	19.0	18.4	0.0	0.0	0.0	14.4	14.5	19.0	14.5	19.0
<b>COINCIDENT (MW)</b>															
System	0.0	2.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900	<b>Coincident Peak by Season</b>		
	0.0	2.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8
<b>ENERGY (MWH)</b>															
On-Peak	387	523	400	358	950	224	0	0	0	13	0	717	<b>Energy Summation by Season</b>		
%	28.7%	26.7%	25.8%	29.7%	27.1%	8.1%	0.0%	0.0%	0.0%	100.0%	27.3%	23.1%	1.187	2.386	3.572
													18.7%	26.0%	23.0%
Off-Peak	961	1,435	1,149	849	2,557	2,540	81	0	0	0	0	2,386	6,178	6,780	11,958
%	71.3%	73.3%	74.2%	70.3%	72.9%	91.9%	100.0%	0.0%	0.0%	0.0%	72.7%	76.9%	81.3%	74.0%	77.0%
Total	1,348	1,958	1,549	1,207	3,507	2,764	81	0	0	13	0	3,103	6,366	9,166	15,530
<b>CUSTOMERS</b>															
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>															
Coincident Factor (CP)	0.000	0.175	0.436	0.000	0.000	0.000	0.000	#DIV/0!	#DIV/0!	0.000	0.000	0.000	0.000	0.400	0.000
Load Factor (Max) %	15.3%	21.3%	16.0%	15.6%	30.0%	19.9%	0.6%	#DIV/0!	#DIV/0!	0.3%	0.0%	29.3%	7.6%	14.4%	9.3%
Load Factor (NCP) %	15.3%	21.3%	16.0%	15.6%	30.0%	19.9%	0.6%	#DIV/0!	#DIV/0!	0.3%	0.0%	29.3%	7.6%	14.4%	9.3%
Load Factor (CP) %	#DIV/0!	121.9%	36.6%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>CUSTOMER AVERAGES</b>															
Energy Use (kWh)	1,348,000	1,958,000	1,549,000	1,207,000	3,507,000	2,764,000	81,000	0	0	13,000	0	3,103,000	1,060,833	1,527,500	1,294,167
Ind. Max Demand (kW)	12,100.00	12,800.00	13,300.00	10,600.00	16,000.00	19,000.00	18,400.00	0.00	0.00	6,400.00	14,400.00	14,500.00	9,866.67	12,916.67	11,441.67
Coincident Demand (kW)	0.00	2,200.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,333.33	666.67

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 12 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Peak	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Peak	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>CLASS PEAK (MW)</b>												
On-Peak	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Peak	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>COINCIDENT (MW)</b>												
System	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time	18th@0800	5th@0800	25th@2000	28th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	30.8%	29.5%	24.0%	12.4%	26.1%	14.1%	2.8%	19.1%	7.5%	3.7%	25.7%	30.7%
Off-Peak	69.4%	70.5%	76.0%	87.6%	73.9%	85.9%	97.2%	80.9%	92.5%	96.3%	74.3%	69.3%
Total	0	0	0	0	0	0	0	0	0	0	0	0
<b>CUSTOMERS</b>												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
<b>FACTORS</b>												
Coincident Factor (CP)	#DIV/0!	#DIV/0!	0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Load Factor (Max) %	#DIV/0!	#DIV/0!	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Load Factor (NCP) %	#DIV/0!	#DIV/0!	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Load Factor (CP) %	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	0	0	0	0	0	0	0	0	0	0	0	0
Ind. Max Demand (kW)	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coincident Demand (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season		
0.0	0.1	0.1

0.0	0.0	0.0
-----	-----	-----

0.0	0.1	0.1
-----	-----	-----

Class Peak by Season		
0.0	0.0	0.0

0.0	0.1	0.1
-----	-----	-----

Coincident Peak by Season		
0.0	0.0	0.0

Energy Summation by Season		
#DIV/0!	#DIV/0!	#DIV/0!

0	0	0
---	---	---

#DIV/0!	#DIV/0!	#DIV/0!
---------	---------	---------

0	0	0
---	---	---

Customer Averages by Season		
1	1	1

Seasonal Factors		
#DIV/0!	0.000	#DIV/0!

#DIV/0!	0.0%	0.0%
---------	------	------

#DIV/0!	0.0%	0.0%
---------	------	------

#DIV/0!	#DIV/0!	#DIV/0!
---------	---------	---------

Seasonal Averages		
0	0	0

0.00	16.67	8.33
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0.00	0.00	0.00
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TOU Periods - All Months:		
On-Peak	Off-Peak	
11 am - 9 pm, M-F	9 pm - 11 am, M-F & All Weekends	



Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* CUSTOMER # 13 \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
SUMMATION IND MAX (MW)															
Non-Timed	0.0	0.0	11.7	7.8	27.8	26.5	21.1	24.2	21.2	0.0	0.0	16.4	27.8	16.4	27.8
On-Peak	0.0	0.0	8.2	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	5.0	11.0	11.0
Off-Peak	0.0	0.0	11.7	7.8	27.8	26.5	21.1	24.2	21.2	0.0	0.0	16.4	27.8	16.4	27.8
CLASS PEAK (MW)															
On-Peak	0.0	0.0	8.2	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	5.0	11.0	11.0
Off-Peak	0.0	0.0	11.7	7.8	27.8	26.5	21.1	24.2	21.2	0.0	0.0	16.4	27.8	16.4	27.8
COINCIDENT (MW)															
System	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900			
ENERGY (MWH)															
On-Peak	0	0	249	0	72	0	0	0	0	0	0	31	72	279	361
%	0.0%	0.0%	19.5%	0.0%	7.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.5%	1.6%	6.3%	3.9%
Off-Peak	0	0	1,027	36	923	1,320	845	833	671	0	2,842	261	4,392	4,167	8,569
%	100.0%	100.0%	80.5%	100.0%	92.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	89.5%	98.4%	93.7%	96.1%
Total	0	0	1,276	36	995	1,320	845	833	671	0	2,842	292	4,464	4,446	8,910
CUSTOMERS															
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FACTORS															
Coincident Factor (CP)	#DIV/0!	#DIV/0!	0.188	0.000	0.000	0.000	0.000	0.000	0.000	#DIV/0!	#DIV/0!	0.000	0.000	0.134	0.000
Load Factor (Max) %	#DIV/0!	#DIV/0!	14.9%	0.6%	4.9%	6.8%	5.5%	3.6%	4.3%	#DIV/0!	#DIV/0!	2.4%	3.7%	6.2%	3.7%
Load Factor (NCP) %	#DIV/0!	#DIV/0!	14.9%	0.6%	4.9%	6.8%	5.5%	3.6%	4.3%	#DIV/0!	#DIV/0!	2.4%	3.7%	6.2%	3.7%
Load Factor (CP) %	#DIV/0!	#DIV/0!	79.5%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
CUSTOMER AVERAGES															
Energy Use (kWh)	0	0	1,276,000	36,000	995,000	1,320,000	845,000	833,000	671,000	0	2,842,000	292,000	744,000	741,000	742,500
Ind. Max Demand (kW)	0.00	0.00	11,700.00	7,800.00	27,800.00	26,500.00	21,100.00	24,200.00	21,200.00	0.00	0.00	16,400.00	20,133.33	5,983.33	13,068.33
Coincident Demand (kW)	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	366.67	183.33

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends





Load Research Cost of Service Data  
Test Year Ended December 31, 2008

\*\*\* STREETLIGHTS \*\*\*

	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08
<b>SUMMATION IND MAX (MW)</b>												
Non-Timed	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
On-Peak	0.0	0.0	31.6	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6
Off-Peak	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
<b>CLASS PEAK (MW)</b>												
On-Peak	0.0	0.0	31.6	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6
Off-Peak	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
<b>COINCIDENT (MW)</b>												
System	0.0	0.0	31.6	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6
Time	18th@0800	5th@0800	25th@2000	29th@1800	19th@1700	17th@1700	31th@1700	1st@1700	6th@1700	1st@1700	1st@1600	15th@1900
<b>ENERGY (MWH)</b>												
On-Peak	2,538	2,048	2,121	2,024	1,992	1,701	1,718	1,983	2,085	2,379	2,586	2,654
%	23.9%	19.3%	19.4%	18.4%	18.3%	16.0%	16.0%	18.1%	19.1%	21.8%	24.3%	22.7%
Off-Peak	8,080	8,453	8,812	8,978	8,777	8,929	9,019	8,973	8,833	8,532	8,058	9,036
%	76.1%	80.5%	80.6%	81.6%	81.5%	84.0%	84.0%	81.9%	80.9%	78.2%	75.7%	77.3%
Total	10,618	10,501	10,933	11,002	10,769	10,630	10,737	10,956	10,918	10,911	10,644	11,690
<b>CUSTOMERS</b>												
Monthly Count	907	906	911	920	921	921	922	930	929	930	929	930
<b>FACTORS</b>												
Coincident Factor (CP)	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000
Load Factor (Max) %	46.0%	45.5%	47.4%	47.7%	46.7%	46.1%	46.5%	47.5%	47.3%	47.3%	46.1%	50.7%
Load Factor (NCP) %	46.0%	45.5%	47.4%	47.7%	46.7%	46.1%	46.5%	47.5%	47.3%	47.3%	46.1%	50.7%
Load Factor (CP) %	#DIV/0!	#DIV/0!	47.4%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	50.7%
<b>CUSTOMER AVERAGES</b>												
Energy Use (kWh)	11,707	11,591	12,001	11,959	11,693	11,542	11,645	11,781	11,752	11,732	11,457	12,570
Ind. Max Demand (kW)	34.84	34.88	34.69	34.35	34.31	34.31	34.27	33.88	34.02	33.98	34.02	33.98
Coincident Demand (kW)	0.00	0.00	34.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.98

TOU Periods - All Months:

On-Peak 11 am - 9 pm, M-F

Off-Peak 9 pm - 11 am, M-F & All Weekends



\*\*\* DUSK TO DAWN \*\*\*

TOU Periods - All Months:		
On-Peak	Off-Peak	
11 am - 11 am	9 nm - 11 am	M-F & All Weekends

# Tab IV

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**ARIZONA PUBLIC SERVICE COMPANY  
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**Tab IV**

**R14-2-703 Sections A.4 – A.9**

These sections have been temporarily suspended pursuant to Docket No. E-00000A-95-0506,  
Decision No. 60385.

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# Tab V

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**ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
FOR HISTORICAL YEAR 2008**

**Tab V**

**R14-2-703 Sections B.1.a,b,c,d,e,f,g,h,i,j,k,l,m,n**

Portions of this information are competitively confidential and have been redacted. An unredacted version will be provided to Staff upon the execution of a Protective Agreement.

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ARIZONA PUBLIC SERVICE COMPANY  
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Table V  
R14-2.783 Section: B.1.a, b, c, d, e, f, g, h, i, l, m, n  
2008 GENERATING UNIT INFORMATION

B.1	(B.1.a) IN SERVICE	(B.1.b) BOOK LIFE	(B.1.c) (APS SHARE) CAPACITY MW	(B.1.d) MAXIMUM CAPACITY MW (A)	(B.1.e) FORCED OUTAGE RATE	(B.1.f) HEAT RATE BTU/KWH Coal/Gas/Nuclear	(B.1.g) HEAT RATE BTU/KWH Coal/Gas/Nuclear	(B.1.h) (M) VARIABLE O&M \$/MWH To Minimum	(B.1.i) FIXED O&M \$/MWH	(B.1.j) FUEL TYPE	(B.1.m) MINIMUM CAPACITY COAL/ GAS/OIL NUCLEAR	(B.1.n) UNIT MUST BE RUN IF AVAILABLE
Palo Verde												
Unit 1	1986	2024	391.5	392 (A)						Uranium	391.5	Yes
Unit 2	1986	2024	392	392 (A)						Uranium	392.4	Yes
Unit 3	1986	2027	392	392 (A)						Uranium	393.2	Yes
Four Corners												
Unit 1	1983	2016	170	170						Coal	80	---
Unit 2	1983	2016	170	170						Coal	80	---
Unit 3	1983	2016	220	220						Coal	100	---
Unit 4	1989	2031	113	112.5						Coal	60	---
Unit 5	1970	2031	113	112.5						Coal	60	---
Cholla												
Unit 1	1983	2017	110	110						Coal	30	---
Unit 2	1983	2017	260	260						Coal	75	---
Unit 3	1986	2035	271	271						Coal	75	---
Navajo												
Unit 1	1974	2008	105	105						Coal	50	---
Unit 2	1975	2008	105	105						Coal	50	---
Unit 3	1976	2030	105	105						Coal	50	---
West Phoenix												
CT 1	1972	2017	55	50						Gas (N/O)	4	---
CT 2	1973	2017	55	50						Gas (N/O)	4	---
CT 3	1973	2017	55	50						Gas (N/O)	4	---
CT 4	1976	2031	85	80						Gas (N/O)	10	---
CT 5	1976	2031	85	80						Gas (N/O)	10	---
CT 6	2001	2031	117	107						Gas (N/O)	50	---
CT 7	2001	2031	117	107						Gas (N/O)	77	---
CT 8	2003	2033	506	480						Gas (N/O)	330	---
Orville												
Unit 1 ST	1980	2020	110	110						Gas (N/O)	20	---
Unit 2 ST	1980	2020	110	110						Gas (N/O)	20	---
Unit 3 ST	1980	2020	110	110						Gas (N/O)	20	---
Unit 4 ST	1972	2017	55	50						Gas (N/O)	4	---
Unit 5 ST	1973	2017	55	50						Gas (N/O)	4	---
Redhawk												
CC 1	2002	2034	482	474						Gas	250	---
CC 2	2002	2034	482	474						Gas	250	---
Saguaro												
Unit 1 ST	1984	2014	110	110						Gas/Oil	20	---
Unit 2 ST	1985	2014	100	100						Gas/Oil	20	---
Unit 3 ST	1985	2014	100	100						Gas/Oil	20	---
Unit 4 ST	1972	2017	55.54 (A3)	50						Gas/Oil	4	---
Unit 5 ST	1973	2017	55.54 (A3)	50						Gas/Oil	4	---
Unit 6 ST	2002	2039	79	76						Gas	40	---
Unit 7 CT	2002	2039	42	41						Gas	20	---
Unit 8 CT	2002	2039	42	41						Gas	20	---
Unit 9 CT	2002	2039	42	41						Gas	20	---
Unit 10 CT	2002	2039	42	41						Gas	20	---
Douglas												
Unit 1 CT	1972	2017	16	15						Oil	2	---
Yucca												
Unit 1 CT	1971	2016	19.15 (A3)	18						Gas/Oil	2	---
Unit 2 CT	1971	2016	19.15 (A3)	18						Gas/Oil	2	---
Unit 3 CT	1973	2018	55.54 (A3)	52						Gas/Oil	5	---
Unit 4 CT	1974	2019	54	51						Oil	5	---
Unit 5 CT	2006 (A4)	2045	48 (A4)	47						Gas	24	---
Unit 6 CT	2006 (A4)	2045	48 (A4)	47						Gas	24	---

NOTES:  
1) All data is based on historical information, unless otherwise indicated.  
2) Avg. fuel cost (item g) is based on all fuel expenses reported in FERC Form 1.  
3) First number indicates net maximum capacity on natural gas; second number indicates net maximum capacity on residual oil.  
4) Summer and winter net maximum capacities are based on gas firing when applicable (i.e., Saguaro and Yucca).  
5) Net maximum capacity based on Maximum Dependable Capacity.  
6) Unit cost adjusted to allocate the oil over each generating unit and its respective oil burn.  
7) Variable O&M \$/MWH to minimum (item h) for the CT's represents total start-up dollars, not \$/MWH.  
8) Commercial Operating dates for Yucca 5 & 6 are 02/08 and 02/2008 respectively.  
9) Palo Verde Unit 3 installed a new steam generator in December 2007 and was operational in January 2008. Unit rating reflects the intermediate rating before further testing.

**ARIZONA PUBLIC SERVICE COMPANY  
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R14-2-703 Section: B.1.b, d, h, i, k, & m

Tab V

**2008 Purchased Power Information**

Company	Contract period	(B.1.b)	(B.1.m)	(B.1.d)	(B.1.i)	(B.1.k)	(B.1.h)
			Minimum Capacity (MW)	Maximum Monthly Contract Capacity (MW)	Energy Cost (\$/MWH)	Demand Charge (\$)	Var O&M (\$)
SRP Schedule "A" Contingent Valley Mountain	9/15/1955 - 6/15/2010		230 62 138 30	372 62 280 30			
PAC Exchange	5/1/1997 - 10/31/2020		n/a	480			
Catalyst Paper Snowflake Inc. <sup>4</sup>	7/3/2002 - (evergreen)		0	25			
CE Turbo LLC <sup>1</sup>	1/27/2006 - 12/31/2029		0	12			
Aragonne Wind LLC <sup>1</sup>	12/16/2006 - 12/31/2026		0	90			
Gila River Power LP	6/1/2007 - 5/31/2017		490	510			
Snowflake White Mountain <sup>1</sup>	6/10/2008 - 5/15/2023		0	9-14.5			
Pacificorp Energy <sup>1</sup>	1/1/2008 - 12/31/2008		0	25			

Notes:

1 Renewable Energy Contract.

2

3

4

Formerly Abitibi Consolidated Sales Corp.



**ARIZONA PUBLIC SERVICE COMPANY  
2009 RESOURCE PLANNING ANNUAL FILING  
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**Tab V  
R14-2-703 Section: B.1.o**

PLANT	UNIT	TYPE OF OVERHAUL	ACTUAL	DATE (2)	DAYS
PALO VERDE 3	3	SE,PO	1/1/2008	1/19/2008	18
WEST PHOENIX CC2	CC2	U1	1/1/2008	1/22/2008	21
WEST PHOENIX CC1	CC1	U1	1/3/2008	4/25/2008	113
FOUR CORNERS 1	1	PO,U1	1/4/2008	2/10/2008	38
OCOTILLO CT1	CT1	PO,SE	1/7/2008	3/15/2008	68
WEST PHOENIX CT1	CT1	PO	1/8/2008	1/18/2008	11
FOUR CORNERS 3	3	U1	1/12/2008	1/17/2008	5
REDHAWK ST2	ST2	U1	1/18/2008	1/28/2008	10
WEST PHOENIX CC2	CC2	U1	1/1/2008	1/22/2008	21
REDHAWK CT2A	CT2A	PO	1/28/2008	2/3/2008	6
REDHAWK CT2B	CT2B	PO	1/28/2008	2/3/2008	7
REDHAWK ST2	ST2	PO,U1	1/28/2008	2/12/2008	15
WEST PHOENIX CT2	CT2	PO,U1	1/28/2008	2/5/2008	9
NAVAJO 1	1	PO, U1	2/1/2008	2/27/2008	26
YUCCA CT4	CT4	PO	2/4/2008	2/8/2008	5
WEST PHOENIX CT1	CT1	U1	2/7/2008	2/14/2008	7
CHOLLA 2	2	PO,U1	2/9/2008	3/18/2008	40
SUNDANCE 1	1	PO	2/11/2008	2/21/2008	10
SUNDANCE 2	2	PO	2/11/2008	2/21/2008	11
SAGUARO CT1	CT1	PO	2/18/2008	2/22/2008	5
FOUR CORNERS 5	5	PO,U1	2/19/2008	6/1/2008	102
OCOTILLO ST1	ST1	PO	2/25/2008	4/7/2008	42
SUNDANCE 3	3	PO	3/3/2008	3/13/2008	10
SUNDANCE 4	4	PO	3/3/2008	3/13/2008	10
WEST PHOENIX CC4	CC4	PO	3/3/2008	3/12/2008	10
FOUR CORNERS 2	2	U1	3/5/2008	3/12/2008	7
SAGUARO CT2	CT2	PO	3/10/2008	3/14/2008	5
OCOTILLO ST2	ST2	PO,SE	3/24/2008	4/30/2008	37

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**Tab V  
R14-2-703 Section: B.1.o**

<b>PLANT</b>	<b>UNIT</b>	<b>TYPE OF OVERHAUL</b>	<b>ACTUAL</b>	<b>DATE (2)</b>	<b>DAYS</b>
SAGUARO ST1	ST1	PO	3/24/2008	4/13/2008	20
FOUR CORNERS 4	4	U1	3/26/2008	4/1/2008	7
PALO VERDE 2	2	PO,SE	3/29/2008	6/5/2008	68
WEST PHOENIX ST5	ST5	PO,U1	4/7/2008	4/20/2008	13
WEST PHOENIX CT5A	CT5A	PO,U1	4/7/2008	4/20/2008	13
WEST PHOENIX CT5B	CT5B	PO,U1	4/7/2008	4/20/2008	13
FOUR CORNERS 4	4	U1	4/10/2008	4/16/2008	6
REDHAWK ST1	ST1	U1	4/10/2008	4/15/2008	5
DOUGLAS (FAIRVIEW) 1	1	PO	4/21/2008	4/25/2008	5
WEST PHOENIX CC3	CC3	PO	4/24/2008	5/1/2008	7
WEST PHOENIX CC2	CC2	PO,U1	4/30/2008	5/20/2008	21
WEST PHOENIX CC3	CC3	PO	5/1/2008	5/9/2008	8
WEST PHOENIX CC2	CC2	U1	6/4/2008	6/12/2008	8
FOUR CORNERS 3	3	U1	6/17/2008	6/21/2008	5
YUCCA CT5	CT5	MO	7/23/2008	8/1/2008	9
YUCCA CT6	CT6	MO	8/7/2008	8/19/2008	12
SUNDANCE 6	6	U1	8/11/2008	8/18/2008	7
REDHAWK CT1B	CT1B	U1	8/15/2008	8/20/2008	6
PALO VERDE 1	1	PO,SE	10/4/2008	11/19/2008	46
YUCCA CT6	CT6	MO	10/4/2008	10/10/2008	6
WEST PHOENIX CC2	CC2	MO	10/6/2008	11/1/2008	26
YUCCA CT6	CT6	MO	10/16/2008	10/22/2008	6
SAGUARO CT3	CT3	PO	10/20/2008	10/24/2008	5
WEST PHOENIX CC1	CC1	U1	10/26/2008	11/20/2008	25
SUNDANCE 5	5	PO	10/27/2008	11/2/2008	6
SUNDANCE 6	6	PO	10/27/2008	11/2/2008	6
WEST PHOENIX CT5A	CT5A	SE,PO	10/27/2008	11/20/2008	25
WEST PHOENIX ST5	ST5	PO,U1	10/28/2008	11/7/2008	11

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**Tab V  
R14-2-703 Section: B.1.o**

PLANT	UNIT	TYPE OF OVERHAUL	ACTUAL	DATE (2)	DAYS
WEST PHOENIX CT5B	CT5B	PO	10/28/2008	11/7/2008	11
SAGUARO ST2	ST2	PO	11/1/2008	11/21/2008	21
WEST PHOENIX CC2	CC2	MO	11/1/2008	11/20/2008	19
SUNDANCE 7	7	PO	11/3/2008	11/9/2008	6
SUNDANCE 8	8	PO	11/3/2008	11/8/2008	6
SUNDANCE 1	1	U1	11/7/2008	11/14/2008	7
SUNDANCE 2	2	U1	11/7/2008	11/14/2008	7
SUNDANCE 10	10	MO	11/15/2008	11/19/2008	5
SUNDANCE 9	9	MO	11/15/2008	11/19/2008	5
PALO VERDE 2	2	MO,PO	11/22/2008	12/15/2008	24
FOUR CORNERS 2	2	U1	12/3/2008	12/10/2008	7
WEST PHOENIX CC3	CC3	PO	12/3/2008	12/10/2008	8
OCOTILLO ST2	ST2	MO,U1	12/10/2008	12/22/2008	13
FOUR CORNERS 2	2	U1	12/17/2008	12/25/2008	8
WEST PHOENIX CC2	CC2	U1	12/24/2008	12/31/2008	7
NAVAJO 3	3	U1	12/26/2008	12/31/2008	6

Note: Includes Partial Days  
Contains Outages that exceed 5 days in duration.

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**Tab V**

**R14-2-703 Section B.1.p**

**Other Data Related To Generation Units and Purchased Power Contracts  
Which The Utility Uses In It's Production, Planning, and Supply Models**

For modeling purposes, the minimum load segments of Four Corners Units 4-5, Navajo Units 1-3 and Palo Verde Units 1-3 are modeled as must run for they are multiple ownership units. Palo Verde Units 1-3 are projected to run at full load based on load conditions and economics. Coal units are not cycled extensively (i.e., the units are turned off only if they aren't needed for the day).

The table below shows APS owned, tolling agreements, and SRP territorial and contingent agreement generating parameters as modeled by APS. They are grouped by fuel type, turbine type, and minimum up and down times.

<b>Fuel</b>	<b>Type</b>	<b>Minimum Up Time (hrs)</b>	<b>Minimum Down Time (hrs)</b>	<b>Nameplate Capacity (mw)</b>	<b>Heat Rate @ Capacity (BTU/MWH)</b>
Nuclear	ST	24	24	1147	10.4
Coal	ST	24	24	1100	10.3
Coal	ST	16	8	641	10.6
Gas	CC	8	4	2107	7.1
Gas	CC	8	6	170	9.3
Gas	CT	1	4	96	9.8
Gas	ST	4	4	62	10.0
Gas	CT	2	1	678	11.5
Gas	CT	1	1	829	11.9

Minimum down time is dependent on boiler conditions for re-start; limited to one start per 24 hours, unless an emergency condition exists on the system. Minimum up time is dependent on boiler and turbine conditions.

Secondary fuel/flame stabilization fuel costs are considered. There is considerable seasonal variation in natural gas prices.

562 MW of capacity is contingent upon the availability of third-party units. A portion of the Territorial capacity purchase from Salt River Project is to replace the lack of APS owned transmission to APS' remote service territories east of Phoenix.

APS has banked energy with neighboring utilities and benefits because of the seasonal load diversity.

NOTE: Although the information listed above will allow one to model a power system within a broad degree of accuracy, there are a multitude of other variables that must be considered in order to retrospectively replicate a power system.

# Tab VI

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**ARIZONA PUBLIC SERVICE COMPANY  
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**Tab VI**

**R14-2-703 Section B.2.a**

**A Description of Unit Commitment Procedures**

Unit and firm purchase power capacity is committed to cover the estimated load requirements plus spinning and regulating reserve requirements in the most economical manner. Generating units are generally committed in order of ascending average full load fuel and incremental O&M cost. Unit minimum on-line and off-line time requirements as well as environmental constraints are included in the dispatch process. Computerized unit commitment software is utilized to select the optimum commitment. This software includes optimization routines, which check the economics of keeping a unit on-line at minimum load when not required during short time periods versus incurring a start-up cost. These routines also check the costs of running peaking units for short peaking periods versus committing larger units which would have to run for longer periods, some of which time would require operation at low, less economical loads. Costs of secondary, higher-cost, flame stabilization fuels necessary for low load operation are also considered. Commitment of individual combustion turbines and combined cycle units also considers the number of hours and start-ups allowed between inspections and overhauls.

Additional items which must be considered during the unit commitment process include jointly owned units which may be requested on-line by their owners, limitation as to the number of gas-fired units which can be operated simultaneously due to gas pressure problems, and the need to operate units for voltage or other problems due to temporary line outages. The Control Area Operator will change the dispatch order if necessary to meet reliability requirements.

A computer model (PCI Software) is used for the short-term commitment process. For longer term planning analysis needs, RTSim a proprietary computer model developed by Simtec Corporation of Madison Wisconsin, is utilized.

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**Tab VI**

**R14-2-703 Section: B.2.b**

**2008 Production Cost**

Total Power Production expenses for the Calendar Year 2008 including O&M, Fuel and Purchased Power were \$1,711,454,042, of which (\$5,789,383) was related to Deferred Fuel.

Fuel and Purchased Power expenses including interchange for the Calendar Year 2008 were \$1,334,705,411, of which (\$5,789,383) was related to Deferred Fuel.

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**ARIZONA PUBLIC SERVICE COMPANY  
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**Tab VI**

**R14-2-703 Section: B.2.c**

**2008 Reserve Requirement**

The actual Reserve Margin for 2008 was 994.1 or 20.6% at the time of system peak. Total resources and Class A Interruptible exceeded our load and firm off system sales by this amount.

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**Tab VI**

**R14-2-703 Section: B.2.d**

**2008 Spinning Reserve**

The Company maintains spinning reserve in compliance with quotas assigned by the Southwest Reserve Shargin Group for the Calendar Year 2008, these quotas were:

<u>2008</u>	<u>Spinning Reserve Capacity (MW)</u>
January	162
February	169
March	176
April	178
May	187
June	224
July	244
August	245
September	225
October	195
November	185
December	185

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**Tab VI**

**R14-2-703 Section: B.2.e**

**2008**

**Reliability of Generating, Transmission and Distribution Systems**

For the Calendar Year 2008, APS' transmission system reliability equivalent is not available.

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**ARIZONA PUBLIC SERVICE COMPANY  
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**Tab VI**

**R14-2-703 Section: B.2.f**

**2008 Interchange Purchase and Sales Prices**

The average interchange purchase price for the Calendar Year 2008 was \$72.62/Mwh.

The average interchange sales price for the Calendar Year 2008 was \$65.56/Mwh.

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**ARIZONA PUBLIC SERVICE COMPANY  
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**Tab VI**

**R14-2-703 Section: B.2.g**

**2008 Energy Losses**

Energy losses for the Calendar Year 2008 were 5.94%.

\*Energy losses shown are exclusive of APS unregulated activities.

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# Tab VIII

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**ARIZONA PUBLIC SERVICE COMPANY  
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**Tab VII**

**R14-2-703 Section: B.3**

The level of Co-Generation and Self-Generation on the APS System for the end of 2007 was 148 MW.

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# Tab VIII

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ARIZONA PUBLIC SERVICE COMPANY  
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**Tab VIII**

**R14-2-703 Section: B.4**

**A Description and Map of APS' Transmission System**

APS' transmission system, 115 kV and above, is depicted in the two (2) following maps. The first map illustrates transmission lines in the State of Arizona and is entitled "Outer Division". The second map shows lines within the greater Phoenix metropolitan area and is entitled "Metro Division". Voltage of each line section is marked and referenced in the map's legend and APS' transmission capacity is indicated in bold italic numbers. For lines that have joint ownership, the capacity shown is APS' share only.

The maps included contain confidential information and have been omitted for security purposes. The maps will be provided to Staff upon the execution of a Protective Agreement.



# Tab IX

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**ARIZONA PUBLIC SERVICE COMPANY  
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**Tab IX**

Pursuant to Commission Decision No, 70313, dated April 28, 2008, a renewable resources inventory is no longer required.

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